### Aggregate Industries Mid-Atlantic Land Services Memorandum

RECEIVED

To:

Steve Martin

CEC 1 3 2017

From:

Tim Bevard

Environmental Protection

Date:

December 9, 2017

Subject:

Quarry License Re-Certification Documentation

Enclosed please find the following documents for the annual recertification of the Quarry License for the Travilah Quarry:

- 1. Surface Mining License No. SL-0607, expiration date 12-31-17.
- 2. Surface Mining Permit No. 77-SP-0061, issued by the Maryland Department of the Environment, Land Management Administration, expiration date 03-31-20.
- 3. State of Maryland, Department of the Environment, Air and Radiation Management Administration, Operating Permit No. 031-0528, expiration date August 31, 2022.
- 4. Emissions Certification and Toxic Air Pollutants Emission Certification Report for 2016 required under ARMA Operating Permit No. 031-0528.
- 5. General Discharge Permit 15MM: Discharges from Mineral Mines, Quarries, Borrow Pits and Concrete and Asphalt Plants (NPDES Permit No. MDG 49) issued by the Maryland Department of the Environment. The site Registration Number is 10-MM-1365 with an effective date of November 1, 2017 extending until April 30, 2022. The Notice of Intent (NOI) filed prior to November 1, 2017 is attached. The general permit is in force as of the effective date.
- 6. NPDES Discharge Monitoring Reports for Outfall No. 1 covering the time period of 04/01/16 through 9/30/17.
- 7. Quarry Permit Site Plan has been updated by Rodgers Consulting, Inc. dated August 2017.
- 8. Particulate Control Plan dated December 11, 2017.
- 9. Certificate of Insurance for general liability, automobile liability, and workers compensation and employer's liability for the period 10/01/17 through 10/01/18.
- 10. Copy of Performance Bond for Quarry License, Bond Number 929517725 in the sum of \$100,735.00.
- 11. Seismograph Records including the Vibration and Air Overpressure Summary provided by Sauls Seismic, LLC covering the time period from June 1, 2016 through November 30, 2017.
- 12. Montgomery County, Department of Permitting Services, Sediment Control Permit No. 203770, expiration date 08-01-19.

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Environmental Protection

December 9, 2017

Mr. Steven C. Martin Environmental Health Specialist III Montgomery County Department of Environmental Protection 255 Rockville Pike, Suite 120 Rockville, MD 20850

Re:

Bardon, Inc. Travilah Quarry

Annual Quarry License Re-Certification

Dear Mr. Martin:

This letter is written to certify that the Travilah Quarry is in compliance with Montgomery County and State of Maryland regulations and the operations of the Travilah Quarry remain unchanged since the current license was re-issued on the anniversary date of February 7, 2017. Enclosed please find a package of documents as prescribed in the Montgomery County Quarry Ordinance for your review in the Annual Quarry License Re-Certification process.

Should you have any questions concerning this submittal or require additional information please do not hesitate to contact me or Tim Bevard at 301-982-1400.

Respectfully

Richard J. Freedman Regional Environmental Land Services Manager

Enclosures

AGGREGATE INDUSTRIES MID ATLANTIC REGION

6401 Golden Triangle Dr. ,Suite 400 Greenbelt , Maryland 20770 Telephone 301-982-1400 www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company



# State of Maryland Department of The Environment Land Management Administration

### 2017

# SURFACE MINING LICENSE

**NUMBER SL-0607** 

# **EXPIRATION DECEMBER 31, 2017**

This is to certify that

BARDON, INC.

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Environmental Protection

has complied with the Maryland Surface Mining Act of 1975, specifically Section 15-807 of the Environment Article of the Annotated Code of Maryland as amended; and is duly licensed as a surface mine operator in the State of Maryland.

This License:

- 1. is not transferable
- 2. must be displayed publicly
- 3. may be suspended or revoked for cause.

HILARY MILLER, DIRECTOR

LAND MANAGEMENT ADMINISTRATION

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### MARYLAND DEPARTMENT OF THE ENVIRONMENT LAND MANAGEMENT ADMINISTRATION

### SURFACE MINING PERMIT

### RENEWAL

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DEC 1 3 2017

**Environmental Protection** 



SURFACE MINE PERMIT NO.: 77-SP-0061

PERMIT EFFECTIVE DATE: June 14, 1977

PERMIT EXPIRATION DATE: March 31, 2020

Pursuant to Title 15, Subtitle 8 of the Environment Article, Annotated Code of Maryland (2013 Replacement Volume and 2014 Supplement), the Land Management Administration hereinafter referred to as "the Administration" hereby authorizes the renewal of the above referenced surface mining permit;

PERMITTEE:

Bardon, Inc.

6401 Golden Triangle Drive

Suite 400

Greenbelt, MD 20770

The permittee is authorized to engage in a Surface Mining Operation known as Travilah Quarry and located: on Piney Meetinghouse Road between Travilah Road and Shady Grove Road in Montgomery County; as described in the approved Mining and Reclamation Plan dated February 12, 2015 and drawings dated October 6, 2015 and prepared by Rodgers Consulting, Inc. The permit area shall not exceed 302.45 acres as shown on the aforementioned Mining and Reclamation Plan and drawings.

### PERMIT TO SURFACE MINE NO. 77-SP-0061 Page Two

- 1. Other Authorizations -- This permit is issued in addition to, and not in substitution of, the requirements of other permits or authorizations granted for the surface mining operation. Issuance of this permit does not relieve the permittee of the obligation to obtain and comply with all other required authorizations.
- 2. <u>Permit Transfer</u> -- The permit is valid only for use by the Permittee and may not be transferred to another unless written permission for such transfer is obtained from the Administration.
- 3. <u>Permit on Site</u> -- A copy of the approved Mining and Reclamation Plan, and the permit are to be kept at the mining site available for reference during the period that the permit is in effect.
- 4. <u>Permit Modification</u> -- Any changes in land areas stipulated in the permit, mining or reclamation practices, schedule of reclamation, and planned land use must have the prior written approval of the Administration. The approval shall be requested by submission of an application for a permit modification or new application.
- 5. <u>Departmental Modification</u> -- The Administration may modify the permit upon giving the permittee notice and providing an opportunity for an administrative hearing.
- 6. Compliance with Law/Regulation and Permit: All surface mining operations shall be conducted in compliance with Environment Article 15-801 through 15-834, COMAR 26.23.01 through .06, and the surface mine permit. The permit may be suspended or revoked by the Administration for violation of the surface mine law, regulations, this permit, or any other required approval. The location, dimensions, and type of all structures, reclamation practices and all excavation and filling shall be in accordance with the approved Mining and Reclamation Plan and map.
- 7. <u>Abandoned Operation</u> -- The surface mining operation shall be considered abandoned if no mineral has been produced or overburden removed for a period of one (1) year and the operator has vacated the site of the operation without having complied with all the requirements of the permit.
- 8. <u>Halted Operation</u> -- The surface mining operation shall be considered halted if active work has ceased temporarily due to weather or market conditions, or other reasonable cause. An operation may not be halted for a period exceeding twenty-four (24) months. All pollution controls shall be maintained during this period.

### PERMIT TO SURFACE MINE NO. 77-SP-0061 Page Three

- 9. <u>Staking Permitted Area</u> -- The permittee shall mark each corner of the perimeter of the permitted area by placing permanent markers. In addition, the permittee shall place markers along the perimeter of the permitted area no more than two hundred feet (200') apart. The markers shall be no less than three feet (3') above the ground. All of the required markers shall be in place no later than ten (10) days from the effective date of this permit and shall be maintained by the permittee throughout the life of the permit.
- 10. Haul and Access Roads -- No mud may be tracked onto the public roads. All haul and access roads shall be treated for dust and mud control by the permittee as required by approved Mining and Reclamation Plan and drawings. Should these methods fail to control the dust and mud, the permittee shall treat the roads as directed by the Administration.
- 11. <u>Completion of Reclamation</u> -- Reclamation activities shall be completed in accordance with the approved Mining and Reclamation Plan and drawings no later than two (2) years after termination of mining on any segment of permit area.
- 12. <u>Annual Mining and Reclamation Report</u> -- At the end of each calendar year, but before March 31 of the succeeding year, the permittee shall submit an annual mining and reclamation report to the Administration on a form prescribed and furnished by the Administration.
- 13. Compliance with Non-Tidal Wetlands Regulations -- Maintenance, including excavation or dredging, of wash ponds or sediment control structures is authorized under this permit and COMAR 26.23.01.02.F. Non-tidal Wetlands created incidental to the mining activity authorized under this permit may be reclaimed in accordance with the approved Mining and Reclamation Plan. Any wetlands remaining upon completion of the reclamation authorized by this permit will be regulated pursuant to COMAR 26.23.01 through .06.
- 14. <u>Annual Permit Fee</u> -- The permittee shall remit an annual permit fee of \$1,000. The annual fee is due by March 31, of each year. Failure to submit the fee by the prescribed date shall be considered as a violation of this permit subject to further administrative action.
- 15. <u>Aerial Photograph</u> -- The permittee shall submit an aerial photograph showing the entire permit area each year with the annual Mining and Reclamation report. The aerial photograph shall be a contact print at a scale no smaller than 1" = 500'.
- 16. Pond Approval -- The permanent impoundment that will result from the quarry excavation has been reviewed for pond approval in accordance with Section 5-503 Environment Article, Annotated Code of Maryland. If the final water surface elevation rises high enough to require an outfall, the outfall shall be designed to meet the then applicable standards, and approved by the Administration.

### PERMIT TO SURFACE MINE NO. 77-SP-0061 Page Four

- 17. <u>Blasting</u> -- The permittee shall monitor all blasting, within the permit area as follows:
  - A. All shots shall be monitored with a seismograph.
  - B. The seismograph shall be of the following type: a direct velocity recording seismograph; capable of producing a permanent record of the three (3) components of ground motion (vertical, transverse, and longitudinal); and have the capacity for internal dynamic calibration.
  - C. The permittee shall make available to the Administration upon request, copies of any or all shot and seismograph reports within 30 calendar days of the request. The reports and records shall be retained for at least four (4) years and be available for inspection.
  - D. Any change in the present blasting procedure as described in the approved Mining and Reclamation Plan shall be reported immediately to the Administration.

### 18. Published Blasting Schedule --

- I. The permittee shall publish a blasting schedule in a newspaper of general circulation in the Rockville area and distribute a copy to each resident and owner of any occupied dwelling or structure within 1,000 feet of the quarry extraction limit at least 90 days but not more than 120 days from the effective date of the permit renewal. The blasting schedule shall contain the following information and be republished every 12 months:
  - a. The copies of the schedule shall be sent by regular mail or hand delivered and record of notification and certification of publication shall be retained with the blasting records as required by Condition 17;
  - b. Local name, address and telephone number of Bardon, Inc.;
  - c. Identify as accurately as practical the location of the blasting sites and the time periods (expressed in not more than 5 hour segments, not to exceed an aggregate of 10 hours in any one day) when blasting will occur;
  - d. Methods used to control access to the blasting area;
  - e. A description of the audible warnings and all-clear signals to be used before and after blasting.
  - f. Statement advising that any questions concerning the mining operation should be directed to the Maryland Department of Environment- Minerals, Oil & Gas Division at (410) 537-3557.

### PERMIT TO SURFACE MINE NO. 77-SP-0061 Page Five

- II. If blasting (except for crusher blockages) cannot be conducted in accordance with the published schedule because of weather or other circumstances, the permittee shall notify the Department of the reason and the date and time of blast at least one hour before detonation.
- III. Prior to Publishing the blasting schedule, a copy of the notice intended for publication shall be submitted to the Administration for review. Upon receipt of written or verbal confirmation of approval from the Administration, the notice may be published.
- IV. The publication records shall be retained for at least 4 years and be available for inspection.
- 19. <u>Flyrock</u> -- No flyrock shall leave the permit area. It shall be the responsibility of Bardon, Inc. to prevent flyrock from leaving the permit area. Any noncompliance with this condition shall be immediately reported to the Administration.
- 20. Performance Bond -- The required bond(s) for the above referenced permit consist of Surety Bond number 929517708 issued by Western Surety Company in the amount of \$378,063. Failure to maintain the required bond may result in the suspension/revocation of the permit and forfeiture of the bond.

HILARY MULLER, ACTING DIRECTOR

LAND MANAGEMENT ADMINISTRATION



### MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230 410-537-3000 • 1-800-633-6101 • www.mde.maryland.gov

Larry Hogan Governor Ben Grumbles Secretary

Boyd Rutherford Lieutenant Governor

May 15, 2015

Mr. Tim Bevard Bardon, Inc. 6401 Golden Triangle Drive, Suite 400 Greenbelt, MD 20770

RE:

Permit to Surface Mine

No. 77-SP-0061

Dear Mr. Bevard:

Enclosed please find the renewal of surface mine permit no. 77-SP-0061. The review of this renewal has been completed pursuant to Title 15, Subtitle 8 of the Environment Article §5-204, Annotated Code of Maryland and COMAR 26.21.01.01 through .30.

You are authorized to conduct surface mining at the site described in the permit in accordance with the aforementioned statue, regulations, and surface mine permit. Please become familiar with all conditions attached to the permit.

Your cooperation throughout the process has been appreciated. Please call me if you have any questions at (410) 537-3557.

Sincerely,

C. Edmon Larrimore, Program Manager

Mining Program

Enclosures



Lawrence J. Hogan, Jr.

Governor



Boyd K. Rutherford Lt. Governor

### **DEPARTMENT OF THE ENVIRONMENT**

RECEIVED

Air and Radiation Administration 1800 Washington Boulevard, Suite 720 Baltimore, MD 21230

DEC 1 3 2017

LEGAL OWNER & ADDRESS

Aggregate Industries, Inc. dba Rockville Crushed Stone, Inc. 6401 Golden Triangle Dr; Ste 400 Greenbelt, Maryland 20770

Attention:

Stephen Ward General Manager SITE

Aggregate Industries-Rockville Quarry 13900 Piney Meetinghouse Rd Rockville, MD 20850 Al # 75

### SOURCE DESCRIPTION

One (1) electric powered 900 ton per hour stone crushing and screening plant equipped with a wet suppression system and nine (9) baghouses

One (1) electric powered Portable Rex Lo-Go ready-mix concrete plant equipped with a Griffen Environmental model U-216 baghouse and additional silo

One (1) 2.1 MMBtu/hr No. 2 fuel-oil fired water heater

One (1) electric powered 1000 ton per hour pugmill system and one (1) 100 ton cement silo equipped with a C & W Manufacturing CP-1000 pulse-jet dust collector

This source is subject to the conditions described on the attached pages.

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(NOT TRANSFERABLE)

Director, Air and Radiation Administration

### INDEX

Part A - General Provisions

Part B – Applicable Regulations

Part C - Operating Conditions

Part D – Testing, Monitoring, Record Keeping and Reporting

This permit-to-operate incorporates requirements for the following registered installations:

ARMA Registration Number	Description	Date of Installation
031-0528-6- 0045	One (1) electric powered 900 ton per hour stone crushing and screening plant equipped with a wet suppression system and nine (9) baghouses consisting of the following equipment:  - One (1) 900 TPH Allis Chalmers 4266 primary crusher equipped with a baghouse;  - One (1) 900 TPH Symons 7' Standard Cone secondary crusher equipped with a baghouse;	1973
	<ul> <li>Two (2) 350 TPH Svedala H6000 tertiary crushers equipped with two (2) baghouses;</li> </ul>	1973 (like kind replacement in 2007)
	<ul> <li>Two (2) 375 TPH Metso 8' x 20' screens venting through the three (3) baghouses associated with the screen house (subject to 40 CFR 60, Subpart OOO pre-April 22, 2008 requirements);</li> </ul>	2003
	<ul> <li>One (1) 900 TPH Trio 8' x 24' Triple Deck screen equipped with a wet suppression system (subject to 40 CFR 60, Subpart OOO pre-April 22, 2008 requirements);</li> </ul>	2007
	<ul> <li>One (1) 150 TPH Buell fines air classification system including two (2) GI-108 classifiers and one (1) Fisher Klosterman model 416 baghouse;</li> </ul>	2009
1	<ul> <li>One (1) 350 TPH Nordberg HP400 tertiary crusher equipped with a baghouse;</li> </ul>	1973 (like kind replacement in 2014)

*	<ul> <li>Three (3) 375 TPH Deister 8' x 20' screens venting through the three (3) baghouses associated with the screen house; and</li> </ul>	1973 (like kind replacement in 2014)
	<ul> <li>One (1) 375 TPH Trio 8' x 20' screen venting through the three (3) baghouses associated with the screen house.</li> </ul>	1973 (like kind replacement in 2014)
031-0528-6- 0607	Rex Lo-Go electric powered portable ready-mix concrete plant equipped with a Griffen Environmental model U-216 baghouse and two (2) silos.	4/2000; modified in 2006
031-0528-4- 1418	One (1) 2.1 MMBtu/hr No. 2 fuel-oil fired water heater.	2013
031-0528-6- 0861	One (1) electric powered 1000 ton per hour pugmill system and one (1) 100 ton cement silo equipped with a C & W Manufacturing CP-1000 pulse-jet dust collector.	2008

### Part A - General Provisions

- (1) The application (form AMA-26) received at the Department on June 21, 2017 for the renewal of the Permittee's permit-to-operate is incorporated into this permit by reference. If there are any conflicts between representations in the application and representations in this permit, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the application for renewal do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.
- Upon presentation of credentials, representatives of the Maryland Department of the Environment ("MDE" or the "Department") and the Montgomery County Department of Environmental Protection shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee's property and permitted to:
  - (a) determine compliance with the requirements of this permit and any applicable regulations;
  - (b) sample, as necessary to determine compliance with requirements of this permit and applicable regulations, any materials stored or

processed on site, any waste materials, and any discharge into the environment;

- inspect any monitoring equipment required by applicable regulations or by any permit issued by the Department's Air and Radiation Administration;
- (d) review and copy any records, including all documents required to be maintained by this permit and by applicable regulations, relevant to the Department's determination of compliance with an air pollution control requirement; and
- (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit and applicable regulations.
- (3) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.

### Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:
  - (a) All applicable terms, provisions, emissions standards, testing, monitoring and record keeping and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A (General Provisions) and Subpart OOO for Nonmetallic Mineral Processing Plants.
  - (b) All notifications required under 40 CFR 60, Subparts A and OOO shall be submitted to both of the following:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Administration
1800 Washington Boulevard, STE 715

Baltimore MD 21230

and

Director, Air Protection Division
U.S. EPA – Region 3
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
  - (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
  - (b) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause a change in the quantity, nature, or characteristics of emissions referenced in the permit-to-construct issued for that installation.
  - (c) COMAR 26.11.06.02C(2), which prohibits visible emissions other than uncombined water.
    - Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.
  - (d) COMAR 26.11.06.03B(2), which limits the concentration of particulate matter in any exhaust gases to not more than 0.03 grains per standard cubic foot of dry exhaust gas.
  - (e) COMAR 26.11.06.03C & D, which requires reasonable precautions to be used to prevent particulate matter from becoming airborne from materials handling operations, stockpiles, roadways, and other unconfined sources.

- (f) COMAR 26.11.06.12 which states that a person may not construct modify, or operate, or cause to be constructed, modified, or operated, a New Source Performance Standard (NSPS) source in a manner which results or will result in violation of the provisions of 40 CFR, Part 60.
- (g) COMAR 26.11.09.05A(2), which prohibits visible emissions other than uncombined water from fuel burning equipment.
- (h) Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.
- (i) COMAR 26.11.09.07A(2), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
  - (a) COMAR 26.11.02.13A(16), which requires that the Permittee maintain and renew as required a valid State permit-to-operate issued by the Department.
  - (b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to expiration of this permit a completed application for renewal.
  - (c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
  - (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
  - (e) COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T BACT) to control emissions of toxic air pollutants.

(f) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

### Part C - Operating Conditions

- (1) The Permittee shall maintain and operate all installations and associated air pollution control equipment so as to assure full and continuous compliance with all applicable air pollution control regulations and permit conditions.
- (2) The Permittee shall properly maintain, calibrate, and operate all control panel instrumentation and all devices employed to monitor performance of the facility's air pollution control devices.
- (3) The Permittee shall vent the exhaust gases from the following equipment through a baghouse prior to discharging to the atmosphere to meet the visible emissions and particulate matter requirements of COMAR 26.11.06.02C(2) and COMAR 26.11.06.03B(2):
  - (a) one (1) 900 TPH Allis Chalmers 4266 primary crusher;
  - (b) one (1) 900 TPH Symons 7' Standard Cone secondary crusher;
  - (c) two (2) 350 TPH Svedala H6000 tertiary crushers;
  - (d) one (1) 350 TPH Nordberg HP400 tertiary crusher;
  - (e) three (3) 375 TPH Deister 8' X 20' screens located in the screen house;
  - (f) one (1) 375 TPH Trio 8' x 20' screen located in the screen house.
  - (g) one (1) 150 TPH Buell fines air classification system;
  - (h) the portable ready-mix concrete batch plant and cement silos; and
  - (i) the pugmill system and cement silo.
- (4) The Permittee shall vent the exhaust gases from the two (2) Metso 8' X 20' screens through a baghouse prior to discharging to the atmosphere to meet the

visible emissions and particulate matter requirements of COMAR 26.11.06.02C(2) and COMAR 26.11.06.03B(2) and the following requirements of 40 CFR, Part 60, Subpart OOO for sources equipped with a capture systems constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008:

- (a) no more than 7 percent opacity for dry control devices; and
- (b) no more than 0.022 grains per standard cubic foot of dry exhaust gas.

[Reference: 40 CFR §60.672(a) and Table 2 to 40 CFR 60, Subpart OOO]

- (5) Wet suppression systems shall be used for the one (1) 900 TPH Trio 8' X 24' Triple Deck Screen to meet the fugitive particulate matter requirements of COMAR 26.11.06.03C and COMAR 26.11.06.03D and the 10% opacity limit for fugitive sources specified in 40 CFR, Part 60, Subpart OOO for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008. [Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR 60, Subpart OOO]
- (6) The Permittee shall burn only No. 2 fuel oil in the water heater unless the Permittee receives an approval from the Department to burn alternate fuels.
- (7) All vehicles entering the property, except those which enter the separate office parking area, must proceed through the wash facility before exiting the property. The wash facility must be operating in a manner that thoroughly cleans all types of vehicles that exit from the quarry, processing or loading area, or which may carry entrained material onto the access road or public roadways.
- (8) All vehicles passing through the wash facility shall be visually inspected by quarry personnel prior to exiting the premises boundary. Those vehicles observed to have residues or entrained material on non-load carrying parts shall not be allowed to exit until the conditions have been corrected.
- (9) During any wash facility down-time, adequate on-site provisions must be available and implemented to prevent carry-over and deposition of foreign material and potentially dust producing substances onto the access road between the wash facility and Piney Meetinghouse Road, and the public roadway beyond.

- (10) Washing and sweeping the public road will not be considered an alternate procedure to proper cleaning of vehicles before exiting the quarry property.
- (11) Fugitive particulate emissions from the quarry roadways and stockpiles shall be controlled with water or an approved chemical dust suppressant or a combination thereof.

### Part D - Testing, Monitoring, Record Keeping and Reporting

- (1) At least once each calendar year, the Permittee shall perform a black light leak detection test on all baghouses associated with the 900 ton per hour crushing and screening plant (ARMA Registration No. 031-0528-6-0045).
- (2) The Permittee shall maintain a record of the hours of operation each day of all mining, excavation, processing and material handling functions.
- (3) The Permittee shall maintain a record of any down-time the vehicle wash facility experiences and what alternative provisions were made during the down-time to ensure that particulate matter was not entrained on the access road or Piney Meetinghouse Road.
- (4) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
  - (a) The records of all black light leak detection tests performed on the baghouses;
  - (b) The records of the hours of operation each day of all mining excavation, processing, and materials handling functions;
  - (c) The records of any down-time the vehicle wash facility experiences and the alternate provisions taken during the down-time to ensure that particulate matter was not entrained on the access road or Piney Meetinghouse Road; and
  - (d) The total amount of stone processed by the crushing and screening plant (ARMA Registration No. 031-0528-6-0045) per year.
  - (e) the types and amounts of fuel burned in the water heater each month; and

- (f) all opacity observation and stack test results for 40 CFR 60, Subpart OOO affected facilities.
- (5) The Permittee shall maintain at the facility for at least five (5) years records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:
  - (a) mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
  - (b) accounts of the methods and assumptions used to quantify emissions;
  - (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
  - (d) amounts, types, and analyses of all fuels used;
  - (e) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
    - identifications and descriptions of all such equipment;
    - (ii) operating schedules for each item of such equipment;
    - (iii) accounts of any significant maintenance performed;
    - (iv) accounts of all malfunctions and outages; and
    - (v) accounts of any episodes of reduced efficiency.
  - (f) limitations on source operation or any work practice standards that significantly affect emissions; and
  - (g) other relevant information as required by the Department.
- (6) The Permittee shall submit to the Department by April 1 of each year during the term of this permit a certification of emissions for the previous calendar year.

The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 – 1 and COMAR 26.11.02.19D.

- (a) Certifications of emissions shall be submitted on forms obtained from the Department.
- (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the Permittee's registered sources of emissions.
- (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:
  - "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- (7) The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. Such analysis shall include either:
  - (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
  - (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

(8) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

Via: FedEx

March 7, 2017

AGGREGATE INDUSTRIES

Maryland Department of the Environment Air and Radiation Management Administration 1800 Washington Boulevard, Suite 715 Baltimore, MD 21230-1720

RECEIVED

DEC 1 3 2017

Attention: Ms. Laramie Daniel, Compliance Program

Environmental Protection

Re:

2016 Emissions Certification – Facility Number 031-00528

Rockville Crushed Stone

Dear Ms. Daniel,

Enclosed please find two copies of the Emissions Certification and Toxic Air Pollutants Emission Certification Report for the above referenced facility. It is our commitment to continue to comply with Maryland's Air Toxic Regulations (COMAR 26.11.15) and to the best of our knowledge we have been in full compliance during the past year.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or require additional information, please do not hesitate to contact myself or Tim Bevard at 301-982-1485 or by e-mail <a href="mailto:tim.bevard@aggregate-us.com">tim.bevard@aggregate-us.com</a>.

Sincerely,

Stephen Ward

General Manager - Aggregates

enclosure

AGGREGATE INDUSTRIES MID ATLANTIC REGION

6401 Golden Triangle Dr. ,Suite 400 Greenbelt , Maryland 20770 Telephone 301-982-1400 www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company

### MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard, Suite 715,Baltimore, Maryland 21230-1720 410-537-3000, 1-800-633-6101, <a href="http://www.mde.state.md.us">http://www.mde.state.md.us</a>
Air and Radiation Management Administration
Air Quality Compliance Program
410-537-3220

### FORM 1

Air Permit No. 031-00528

### GENERAL FACILITY INFORMATION EMISSIONS CERTIFICATION REPORT

Calender Year: 2016 A. FACILITY IDENTIFICATION Do Not Write in This Space Facility Name: Aggregate Industries - Rockville Crushed Stone Date Received Regional: Address: 13900 Piney Meetinghouse Road Date Received State: City: Rockville County: 20850 AIRS Code: Montgomery Zip Code: B. Briefly Describe the Major Function of the Facility FINDS Code: **Quarry Operation and Concrete Batching** SIC Code: Facility Number: Source Latitude and Longitude C. SEASONAL PRODUCTION (if applicable) Reviewed: Winter Name: Date: Spring Summer Fall (Dec.-Feb.) 9% (Jun.-Aug.) 32% (Sep.-Nov.) 27% (Mar.-May) 32% D. Explain any increase /Decrease in Emissions From Previous Calendar Year for Each Registration at this Facility. Stone Production, Concrete Batching, and Pug Mill tons all increased in 2016 Fuel consumption at the concrete batch plant decreased in 2016 CONTROL DEVICE INFORMATION (for Nox and VOC sources only) Capture Efficiency Control Device Removal Efficiency This facility does not use add on NOX and VOC control devices I am familiar with the facility and the installations and sources for which this report is submitted. I have personally examined the information in this report, which consists of 20 pages (including attachments), and certify that the information is correct to the best of my knowledge. Stephen Ward **General Manager** March 7, 2017 Name (Print/Type) Title Date (301) 982-1400 Signature Telephone

	_	_	_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_		
2016	Emissions	Method	5																					
CALENDAR YEAR:	ule	End								-		-	-									_		
CALENDA	Operating Schedule	Start																						
	Opera	Hrs/day													-									
NOX	TOSD	Lbs/day	_																				0.90636	
POLLUTANT:		Days/yr	⊢	L 687						I.				1		l_		L		_				source
POLL		Wks/yr	$\vdash$	25																				ng day of the
528	Operating Schedule (Actual)	Days/wk		٥												_							STATE OF STREET	Daily Emissions (Lbs/day) are lbs/operating day of the source
031-00528	ating Sched	End	Г	a																				ons (Lbs/day)
FACILITY ID#:	Oper	Start	-1-																					Daily Emissic
FACILI		Hrs/day	,	7					-										-					
	ssions	bs/day	0.7553	Γ															_				0.75530	issions
jt.	Actual Emis	ons/yr   L	0.10763 0				-	-													_		0.10763 0	F- Fugitive Emissions
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Rockville Batch Plant	E I	-	I:O paitool	nealing Oil										4.7										
2	SCC	Number	_													100	100			_		L		
	S	N		10-20-0502						_														
FACILITY NAME:	Equipment Description	Registration No.	Water Heater	031-0528-4-1418																			TOTAL	S- Stack Emissions
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TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel.

### **Emission Estimation Method**

- A-1- U.S. EPA Reference Method A-2- Other Particulate Sampling Train
  - A-3- Liquid Absorption Technique
    - A-4- Solid Absorption Techniques

      - A-5- Freezing Out Technique A-9- Other, Specify

engineering knowledge of the process C-3- User calculated based on AP-42 C-4- User calculated by best guess/engineering judgeme

C-2- User calculated based on material balance using C-1- User calculated based on source test or other

measurement

- C-5- User calculated based on a State or Local agency emission factor
- - C-6- New construction, not operational C-7- Source closed, operation ceased C-8- Computer calculated based on standard

FACILITY NAME:	1	Rockville Batch Plant	th Plant		FACI	FACILITY ID#:	031-00528	0528	PO	POLLUTANT:	SOX	×	CALENDA	CALENDAR YEAR: 2016	2016
equipment Description	SCC		Actual E	Emissions		O	rating Sche	Oneration Schedule (Actual)			0001			<b>'</b>	
Registration No.	Number	Lane		Lbs/dav	Hrs/day	Start	Fod	Days (Ank	Whehr	Parker	020	Ober	Operating Schedule		Emissions
Nater Heater		I.O acitoch		1.63144	,		十		ik Park	Days/yl	LDS/0ay	nrs/day	Start	End	Method
31-0528-4-1418	10-20-0502	neating Oil	т		12	n/a	n/a	9	25	285	T				F.
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S- Stack Emissions			F- Fugitive Emissions	Emissions		Daily Emissi	ons (Lbs/dav)	Daily Emissions (Lhs/day) are the/nneraling day of the course	fino day of the	0021100					
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TOSD-Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Daily Emissions (Lbs/day) are Ibs/operating day of the source

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel.

### Emission Estimation Method

- A-2- Other Particulate Sampling Train A-3- Liquid Absorption Technique A-4- Solid Absorption Techniques A-5- Freezing Out Technique A-9- Other, Specify A-1- U.S. EPA Reference Method

C-2- User calculated based on material balance using

C-1- User calculated based on source test or other

- engineering knowledge of the process
  - C-3- User calculated based on AP-42
- C-4- User calculated by best guess/engineering judgeme
- C-5- User calculated based on a State or Local agency emission factor
  - C-6- New construction, not operational C-7- Source closed, operation ceased C-8- Computer calculated based on standard

FACILITY NAME:		Rockville Batch Plant	h Plant	F,	FACILITY ID#:_	031-00528	528	POL	POLLUTANT:_	8		CALENDA	CALENDAR YEAR: _	2016
quipment Description	SCC	יי יי	Actual Emissions	ons	Ope	Operating Schedule (Actual)	dule (Actua	5		TOSD	Open	Operating Schedule	ule	Emissions
Registration No.	Number	r dei	Tons/yr Lbs	Lbs/day Hrs/day	Start	End	Days/wk	Wks/yr	Days/yr	Lbs/day	Hrs/day	Start	End	Method
Vater Heater			S 0.02691 0.18		-			3	202					C-3
)31-0528-4-1418	10-20-0502	i leaning Oil	F	- 12	11/4	- I	0	20	200					
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TOTAL			0.02691 0.18882	8882		を記るのでは								
S- Stack Emissions			F- Fugitive Emissions	sions	Daily Emiss	Dally Emissions (Lbs/day) are lbs/operating day of the source	) are lbs/opera	ting day of the	Source					

TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

F- Fugitive Emissions

Daily Emissions (Lbs/day) are ibs/operating day of the source

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel.

### **Emission Estimation Method**

A-4- Solid Absorption Techniques A-1- U.S. EPA Reference Method
A-2- Other Particulate Sampling Train A-5- Freezing Out Technique A-3- Liquid Absorption Technique

C-1- User calculated based on source test or other

engineering knowledge of the process
C-3- User calculated based on AP-42
C-4- User calculated by best guess/engineering judgeme C-2- User calculated based on material balance using

C-5- User calculated based on a State or Local agency emission factor

C-6- New construction, not operational

C-7- Source closed, operation ceased C-8- Computer calculated based on standard

Comment Description   Number   Number	FACILITY NAME:		Rockville Batch Plant	Plant		FAC	FACILITY ID#:	031-00528	0528	PO	POLLUTANT:	VOC	0	CALEND,	CALENDAR YEAR:	2016
Number   Tons/yr   Lbs/day   Hrs/day   Start   End   Days/wk   Wks/yr   Days/yr   Lbs/day   Mrs/day   Start   End   Days/wr   Days/yr   Lbs/day   Mrs/day   Start   End   Days/wr   Days/yr   Lbs/day   Mrs/day   Start   End   Days/yr   Days/yr   Lbs/day   Mrs/day   Start   End   Days/yr	Equipment Description	scc	- 1	Actual En	nissions		Ope	rating Sche	edule (Actu	al)		TOSD	Oper	ating Sched	i lo	This is in a
Heating Oil   F   UJUNI-36   UJ	Noter Heater	Number		Tons/yr	Lbs/day	Hrs/day	Start	End	Days/wk	Wks/yr	Days/yr	Lbs/day	Hrs/day	Start	End	Method
	031-0528-4-1418	110-20-0502		0.00136	0.00952	12	n/a	n/a	თ	52	285	0.01142				$\mathcal{C}_3$
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TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel.

### **Emission Estimation Method**

S- Stack Emissions

F- Fugitive Emissions

Daily Emissions (Lbs/day) are lbs/operating day of the source

- A-2- Other Particulate Sampling Train
  A-3- Liquid Absorption Technique
  A-4- Solid Absorption Techniques A-1- U.S. EPA Reference Method
- A-5- Freezing Out Technique A-9- Other, Specify

- C-1- User calculated based on source test or other
- measurement C-2- User calculated based on material balance using engineering knowledge of the process
- C-4- User calculated by best guess/engineering judgeme C-3- User calculated based on AP-42
- C-5- User calculated based on a State or Local agency emission factor
- C-6- New construction, not operational
- C-7- Source closed, operation ceased C-8- Computer calculated based on standard

# EMISSIONS CERTIFICATION REPORT Particulate Matter

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C.S		0.049	0.007	0.004 0.031 0.007		0.006 0.041	-	0.076	0.011	S	Heating Oil		er Heater
Method	Lbs/day Days/yr	Lbs/day	_	Lbs/day		Lbs/day		Tons/yr   Lbs/day	Tons/yr	_		Number	stration No.
Emissions	Operation Emissions	ensible	PM Conc	Filterable	PM 2.5 - Filterable	PM 10 - Filterable	PM 10 -	PM- Filterable	PM-Fi		Fib	SCC	ment Description
PM	٩	POLLUTANT:	PO	)0528	031-00528	-	FACILITY ID#:	•		Stone	Rockville Crushed Stone		FACILITY NAME:
2016		CALENDAR YEAR:	CALEND										

F- Fugitive Emissions

0.011 | 0.076 | 0.006

0.041

0.004

0.031

0.007

0.049

S- Stack Emissions

TOTAL

Daily Emissions (Lbs/day) are lbs/operating day of the source

TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel

### **Emission Estimation Method**

A-3- Liquid Absorption Technique
A-4- Solid Absorption Techniques
A-5- Freezing Out Technique A-1- U.S. EPA Reference Method A-2- Other Particulate Sampling Train A-9- Other, Specify

- C-1- User calculated based on source test or other measurement
- C-2- User calculated based on material balance using engineering knowledge of the process
- C-3- User calculated based on AP-42
  C-4- User calculated by best guess/engineering judgeme
- C-5- User calculated based on a State or Local agency emission factor
- C-6- New construction, not operational
- C-7- Source closed, operation ceased
  C-8- Computer calculated based on standard

## EMISSIONS CERTIFICATION REPORT Particulate Matter

FACILITY NAME: Rockville Crushed Stone FACILITY ID#: 031-00528 CALENDAR YEAR: POLLUTANT: PM 2016

Equipment Description	SCC	TI D		PM- Filterable	terable	PM 10 -	PM 10 - Filterable	PM 2.5 -	PM 2.5 - Filterable	PM Con	Condensible	Operation   Emissions	Emissions
Registration No.	Number	Š		Tons/yr	Lbs/day	Tons/vr	Lbs/dav	Tons/vr	Lbs/dav		l he/day	Davelvr	Mathod
Primary Crusher			S						100			Daysiy.	Tal Carlo
031-0528-6-0045	30-50-2001		П	0.860	6.030	0.420	2.960					285	3
1 - 900 TPH Screen			S										3
	30-50-2002		П	1.580	11.060	0.530	3.720	0.040	0.250			285	2
Secondary Crusher			S										3
	30-50-2001		77	0.690	4.820	0.340	2.370					285	2
3 - 375 TPH Screens			S										3
	30-50-2021		П	0.760	5.310	0.250	1.790	0.020	0.120			285	2
1 - 350 TPH Tertiary	!		S										0
	30-50-2001		F	0.210	1.450	0.100	0.710					285	2
2 - 350 TPH Tertiary	_		S										0
	30-50-2001		F	0.480	3.380	0.240	1.660					285	5
3 - 375 TPH Screens	_		S										
	30-50-2021		F	0.500	3.540	0.170	1.190	0.010	0.080			285	23
Concrete Batching			S										,
031-0528-6-0607	30-50-1110		F	2.280	16.010	0.640	4.510	0.210	1.440			285	2
Pug Mill	_		S										
031-0528-6-0861	30-50-2032		П	0.050	0.370							285	C
Buell Classifier			S										0
031-0528-6-0045	30-50-2003		T	1.610	11.310	0.740	5.230	0.290	2.060			285	2
TOTAL	A NAVABLE AND AND ADDRESS OF THE PARTY OF TH			9.020	63.280	3.430	24.140	0.570	3 950				0

S- Stack Emissions

F- Fugitive Emissions

Daily Emissions (Lbs/day) are lbs/operating day of the source

TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and listemissions Separately for each fuel.

### Emission Estimation Method

- A-1- U.S. EPA Reference Method
  A-2- Other Particulate Sampling Train
  A-3- Liquid Absorption Technique
  A-4- Solid Absorption Techniques
  A-5- Freezing Out Technique
  A-9- Other, Specify

- C-2- User calculated based on material balance using C-1- User calculated based on source test or other measurement
- engineering knowledge of the process
- C-3- User calculated based on AP-42
  C-4- User calculated by best guess/engineering judgemen
- C-5- User calculated based on a State or Local agency emission factor

- C-6- New construction, not operational C-7- Source closed, operation ceased C-8- Computer calculated based on standard

### FORM 4

# TOXIC AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

TOTALS								Registration Number	Equipment Description/	Pollutant	Facility Name:	
None				_ ! _			None	Lbs/hour	Actual Emissions	NONE	Rockville Crushed Stone	
None			i i		1			Tons/Yr	nissions		Stone	
								Control Device**		Calendar Year:	Facility ID#:_	
								% Efficiency		2016	031-00528	

<sup>\*</sup>Please attach all calculations.
\*See attachment 1 for the minimum reporting values.

<sup>&</sup>lt;sup>1</sup>Emissions must be broken down by equipment registration number (ex. 9-0076, 9-0077)

\*\*S = Scrubber, B = Baghouse, ESP = Electrostatic Precipitator, A = Afterburner, C = Condensor, AD = Adsorbtion, O = Other

# BILLABLE TOXIC AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Crushed Stone

Facility ID#: 031-00528

Pollutant: NONE

Calendar Year: 2016

TOTALS	titanium tetrachloride 7550	phosphine 7803		perchloroethylene   127-		methylene chloride   75-		methyl chloroform	ilydiogeil iidoilde / 664			hydrochloric acid 7647		cyanide compounds		chlorine 7785		carbonyl sulfide   463		carbon disulfide		Chemical Name   CAS N
	7550-45-0	7803-51-2		127-18-4	1	75-09-2		71_55_6	/664-39-3	3	-	7647-01-0	12-2	57_10_5		7782_50_5		463-58-1	2	75 15 0		CAS Number
	пσ	пυ	7	S	П	S	F	S	F	S	П	S	П	S	F	S	П	S	П	ഗ		
None																					Lbs/hr	Actual E
None																					Tons/year	Actual Emissions
																					Method	Estimation

## **Emission Estimation Method**

- A1- U.S. EPA Reference Method
- A2- Other Particulate Sampling Train
- A4- Solid Absorption Technique A3- Liquid Absorption Technique
- A5- Freezing Out Technique
- A9- Other, Specify:
- C1- User calculater based on source test or other measurement
- C2- User calculated based on material balance using engineering knowledge of the process
- C3- User calculated based on AP-42
- C4- User calculated by best guess/engineering judgement
- C5- User calculated based on State or local agency factor
- C6- New construction, not operational
- C7- Source closed, operation ceased
- C8- Computer calculated based on standards

This form to include only the eleven chemicals identified.

# GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2016

# **EMISSIONS CERTIFICATION REPORT**

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: CO2

Actual Emissions		Actual Emissions	
Equipment Description/ Registration Number 1	Tons/vr	Lbs/dav	I //sd. I
Water Heater 031-0528-4-1418	120.007	842.157	70.180
	Es.		
			1
TOTALS	120.007	842.157	70.180

This form must be used to report Greenhouse gas emissions:

carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

<sup>\*</sup> Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

# GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2016

# EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: CH4

TOTALS					Water Heater 031-0528-4-1418	Equipment Description/ Registration Number1	Actual Emissions
0.00116					0.00116	Tons/yr	
0.00816					0.00816	Lbs/day	Actual Emissions
0.00068					0.00068	Lbs/hr	

This form must be used to report Greenhouse gas emissions:

carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

<sup>\*</sup> Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

# GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2016

### EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: N2O

TOTALS					Water Heater 031-0528-4-1418	Equipment Description/ Registration Number1	Actual Emissions
0.00140					0.00140	Tons/yr	
0.00982				¥3	0.00982	Lbs/day	<b>Actual Emissions</b>
0.00082					0.00082	Lbs/hr	

1 Emissions must be broken down by equipment registration number (ex. 9-0076, 9-0077)

This form must be used to report Greenhouse gas emissions:

carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

<sup>\*</sup> Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

### GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2016

### EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: HFCs

TOTALS	 		 		 Water Heater 031-0528-4-1418	Equipment Description/ Registration Number1	Actual Emissions
None					None	Tons/yr	A
None					None	Lbs/day	Actual Emissions
None					None	Lbs/hr	ns

This form must be used to report
Greenhouse gas emissions:

carbon dioxide (CO2)

methane (CH4)

nitrous oxide (N2O)

hydrofluorocarbons (HFCs)

perfluorocarbons (PFCs)

sulfur hexafluoride (SF6)

<sup>\*</sup> Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

# GREENHOUSE GAS AIR POLLUTANTS

VTS Calendar Year: 2016

# **EMISSIONS CERTIFICATION REPORT**

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: PFCs

Actual Emissions	Ac	<b>Actual Emissions</b>	ons
Equipment Description/ Registration Number1	Tons/yr	Lbs/day	Lbs/hr
Water Heater 031-0528-4-1418	None	None	None
		11	
TOTALS	None	None	None

This form must be used to report
Greenhouse gas emissions:
carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

\* Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

# GREENHOUSE GAS AIR POLLUTANTS Calendar Year: 2016

### EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 017-0202

Poll

Pollutant: SF6

Actual Emissions	Ac	<b>Actual Emissions</b>	Suc
Equipment Description/			
Registration Number1	Tons/yr	Lbs/day	Lbs/hr
Water Heater			
031-0528-4-1418	None	None	None
	E		
TOTALS	None	None	None

Greenhouse gas emissions:

carbon dioxide (CO2)

methane (CH4)

nitrous oxide (N2O)

hydrofluorocarbons (HFCs)

perfluorocarbons (PFCs)

sulfur hexafluoride (SF6)

This form must be used to report

<sup>\*</sup> Use a separate form for each pollutant.

<sup>\*</sup> Please attach all calculations.

October 30, 2017

Maryland Department of the Environment PO Box 2057 Baltimore, MD 21203-2057

Re:

Rockville Quarry

13900 Piney Meetinghouse Rd

Rockville, MD 20850 15-MM-1365 NOI and fee



### Dear MDE:

Attached is the Notice of Intent (NOI) application for the facility described above. The fee in the amount of \$2,300 was already mailed to your department on March 29, 2017. Attached is a copy of the fee. Since the fee was paid earlier this year, another fee is not enclosed with the NOI. The Stormwater Pollution Prevention Plan (SWP3) was emailed to <a href="maileosetrate">swppp.permit@maryland.gov</a>. Montgomery County was notified of our permit, a copy of the letter is attached. If you have any questions please call Lisa Hunt at 301-982-1400 extension 60520.

Sincerely,

Stephen Ward

General Manager - Aggregate Division

SW/lmh

Enclosure

RECEIVED

Environmental Protection

AGGREGATE INDUSTRIES MID ATLANTIC REGION

6401 Golden Triangle Dr. ,Suite 400 Greenbelt , Maryland 20770 Telephone 301-982-1400 www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company

	90					

Montgomery County Department of Environmental Protection - main office 255 Rockville Pike, Suite 120 Rockville MD 20850



Re:

Rockville Quarry

13900 Piney Meetinghouse Rd

Rockville, MD 20850

General Water Discharge Permit 15-MM-1365

Dear Montgomery County:

We are submitting an application for a General Water Discharge Permit to Maryland Department of the Environment (MDE) for the above described facility. The application for the permit requires all facilities that may discharge to a municipal storm sewer system (MS4) to contact the jurisdiction. Since the facility listed above is in your jurisdiction, this letter constitutes as the notification.

If you have any questions, please call Lisa Hunt at 301-982-1400 extension 60520.

Sincerely,

Stephen Ward

General Manager - Aggregate Division

SW/lmh

RECEIVED

DEC 1 3 2017

**Environmental Protection** 

6401 Golden Triangle Dr., Suite 400 Greenbelt , Maryland 20770 Telephone 301-982-1400 www.aggregate-us.com

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### MARYLAND DEPARTMENT OF THE ENVIRONMENT

General Discharge Permit For Discharges from Mineral Quarries, Borrow Pits, and Concrete and Asphalt Plants Notice of Intent (NOI) for Maryland General Permit No. 15-MM

### **DISCHARGE PERMIT NO. 15-MM-0000**

### NPDES PERMIT NO. MDG490000

SECTION I: Facility O	perator Inf	formation	1			
(A) Owner/Operator Na	ame					
		Ba	ardo	n, Inc.		
(B) Primary Contact Na	ame			Title		
Sharoi	n Hog	an		Compliance	e and E	MS Manager
Telephone Number				Email Address		
301-98	32-140	00		Sharon.Hoga	an@agg	regate-us.com
(C) Mailing Address						
Street						
6401	Gold	en Tı	rianç	gle Drive, S	Suite 4	00
City	-			State	ZIP Code	
Gree	enbelt			MD	2	20770
(D) IRS Employer Identi	S Employer Identification Number (EIN) (E) Ownership Type - check below				below	
54-15	4454	8		Rrivate	☐ Federal	State/Local
(F) Worker's Compensa	tion	Insuran	ce Con	npany Name	Policy Nu	mber
Insurance:	uion	ACE Am	erican l	nsurance Company	WLR	C64620289
SECTION II: Facility In	formation	74.7				<b>经验的基础</b>
(A) Name of Facility						
				Quarry		
(B) Facility Address (if d	ifferent tha	n your ma	ailing a	ddress)		
Street						
1	3900	Pine	y Me	etinghous	e Rd	
City			State	ZIP Code	County	
Rockville			MD	20850		Montgomery
For MDE use only:	Fa	acility#		Receipt #		Date:
PCA 13710	Comp O	bject 571	0	Suffix 411		

Form Number: MDE/WMA/PER.009

### MARYLAND DEPARTMENT OF THE ENVIRONMENT NOI for Permit No. 15-MM

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized by a State/ National Pollutant Discharge Elimination System (NPDES) permit issued for discharges from Mineral Quarries, Borrow Pits, and Concrete and Asphalt Plants identified in Section II of this form. All information requested must be provided in order to be considered for authorization to discharge under this permit. Instructions are provided at the end of this form.

SECTION II (contin	nued): Fac	ility Informat	ion	STORES LOS STORES		
(C) Provide the prin	nary four-d	igit SIC code	that best represent	s the principal product	s or activities	
provided by the fac	ility, and ar	ny co-located	SIC codes.			
	Co-located	SICs:	Description of you	r primary industrial act	tivity:	
	7699	_,	rock quarry			
(D) Latitude 39.078	Longitud	le -77,225	(E) Check here	if you a new discharg	jer.	
(in decimal 05	(in decin	Total St. March St. Commission Co.	If not a new discha		40 1414 4005	
degrees)	degrees	)	previous registration	on (e.g., 10MM1234)	10-MM-1365	
(F) Total property si		(in acres)		ur facility is inactive ar	nd unstaffed.	
(H) Identify the 8 dig	git identifie	r(s) and name	(s) of the receiving	water(s).		
, Potom	ac River f	Montgomery	County 02140202	2		
			Bacteria	☐ Pesticides	VALUE	
Identify which of the		rments   [	Biological	□ pH	ug	
have been identifi receiving water(s)		v 4a   F	⊒ lons ∃ Metals	Stream Mod	difications	
4b, 4c, or 5 water		, , ,	Nutrients	Toxics		
	•		PCBs	Trash		
☐ Check here if any of the receiving water(s) are listed as high quality (Tier 2)						
Check if stream is	protected	for Use III	Use IV			
Identify your local	MS4 jurisd	liction or N/A i	f your facility is not	within an MS4: Mont	gomery County	
SECTION III: Storm					[[] 经国际基础	
The 15MM permit de	oes require	you to evalua	ate and implement	specific control measi	ures and	
benchmark monitori	no and rer	to perform qua	arterly visual monito	oring, may include num ors. It requires you to	neric limits,	
SWPPP to encompa	ass the ne	w controls req	uired and provide t	his in conjunction with	vour NOI, and	
then keep an update	ed SWPPF	onsite.			, out, 1101, and	
(A) Has the SWPPP	been pre	pared in adva	nce of filing this NC	I, as required? 🗹 Ye	s 🗌 No	
(B) Stormwater Polls	ution Preve	ention Plan (S	WPPP) Primary Co	ontact (if different than	section I.B)	
Name	Sharon	Hogan				
Title	Complia	ance and E	MS Manager			
Telephone Number		Email Addre	SS			
301-982-14	100	Sharon.Hogan	@aggregate-us.com			
SWPPP Delivery Me	thod (URL	., email, etc.)	email to swr	opp.permit@ma	aryland.gov	

Form Number: MDE/WMA/PER.009

### MARYLAND DEPARTMENT OF THE ENVIRONMENT NOI for Permit No. 15-MM

### **SECTION IV: Discharge Information**

Use the table in the instructions to choose the appropriate benchmarks and effluent limitations that apply for the stormwater discharges at each of the outfalls at your facility and fill out the information in the table below:

Outfalls Information: (Attach a separate list if necessary)

List all of outfalls from Each outfall must be unique 3-digit ID (e.g.	identified by a	Benchmai	k Table(s)	Effluent Limi Table(s)	tations
Outfall ID Latitude (decimal) Longitude (decimal) * Identical Outfalls * Flow (GPD)  Outfall ID Latitude (decimal) Longitude (decimal) * Identical Outfalls * Flow (GPD)	39.076 -77.2325 505,125	A-1	E-2   L-1   E-2   J-1   L-1   L-1   L-2	☐ A-3 ☐ AD.C-1 ☐ C-3 ☐ D-2 ☐ E-3 ☑ E-4 ☐ A-3 ☐ AD.C-1 ☐ C-3 ☐ D-2 ☐ E-3 ☐ E-4	<ul> <li>X E-5</li> <li>X J-2</li> <li>J-3</li> <li>J-5</li> <li>X J-6</li> <li>E-5</li> <li>J-2</li> <li>J-3</li> <li>J-4</li> <li>J-5</li> <li>J-6</li> </ul>
Outfall ID Latitude (decimal) Longitude (decimal) * Identical Outfalls * Flow (GPD)  Outfall ID Latitude (decimal) Longitude (decimal)		A-1	E-2   J-1   L-1   L-2	A-3   AD.C-1   C-3   D-2   E-3   E-4   A-3   AD.C-1   C-3   D-2	E-5
* Identical Outfalls  * Flow (GPD)  Outfall ID		☐ E-1	E-2	E-3 E-4	☐ J-5 ☐ J-6 ☐ E-5
Latitude (decimal)  Longitude (decimal)  * Identical Outfalls  * Flow (GPD)		☐ A-2 ☐ C-1 ☐ D-1 ☐ E-1	☐ J-1 ☐ L-1 ☐ L-2	☐ AD.C-1 ☐ C-3 ☐ D-2 ☐ E-3 ☐ E-4	☐ J-2 ☐ J-3 ☐ J-4 ☐ J-5 ☐ J-6
Outfall ID Latitude (decimal) Longitude (decimal) * Identical Outfalls * Flow (GPD)		☐ A-1 ☐ A-2 ☐ C-1 ☐ D-1 ☐ E-1	E-2   J-1   L-1   L-2	☐ A-3 ☐ AD.C-1 ☐ C-3 ☐ D-2 ☐ E-3 ☐ E-4	☐ E-5 ☐ J-2 ☐ J-3 ☐ J-4 ☐ J-5 ☐ J-6

Form Number: MDE/WMA/PER.009

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### MARYLAND DEPARTMENT OF THE ENVIRONMENT

NOI for Permit No. 15-MM

SECTION V: Chemical Additives		A STATE OF THE STATE OF			
Will you use chemical additives?   ☐ Yes W	ill you use cationic chem	ical additives? 🔲 Yes			
The use of any cationic chemical additives, that w	Il mix with stormwater or	that might otherwise			
become part of the effluent discharged, is prohibit	ed without prior approval				
To obtain approval, refer submit a signed Reques	t for Cationic Chemical A	dditive Form and refer to	כ		
the Use of Treatment Chemicals Guidance Docum	nent for further requirement	ents.			
SECTION VI: Permit Fee Selection					
All discharges to groundwater ONLY		No Fee			
Average Daily Discharge Volume: Less than 1,00	Gallons Per Day	\$110			
Average Daily Discharge Volume: 1,000—5,000 (	Ballons Per Day	\$275			
Average Daily Discharge Volume: 5,001—50,000	Gallons Per Day	\$600			
Average Daily Discharge Volume: 50,001—100,0	00 Gallons Per Day	\$1175			
Average Daily Discharge Volume: 100,001—250,	000 Gallons Per Day	\$1740			
Average Daily Discharge Volume: 250,001—1,00	0,000 Gallons Per Day	\$2300 X			
Average Daily Discharge Volume: Greater than 1,	000,000 Gallons Per Day	\$2875			
SECTION VII: Certification					
To be completed by a responsible corporate office	r, proprietor, general par	tner, principal executive			
officer, or ranking elected official or their duly auth	orized representative, as	detailed in Part II.C of the	he		
permit.					
10 10 10 1 10 10 10 10 10 10 10 10 10 10	-b	my direction or supervision in	,		
"I certify under penalty of law that this document and all atta	criments were prepared under	ovaluate the information	'		
accordance with a system designed to assure that qualified	personner property gamer and	co parcane directly responsible	10		
submitted. Based on my inquiry of the person or persons w	the best of my knowledge on	d belief true accurate and	C		
for gathering the information, the information submitted is, to	the best of my knowledge an	u pellel, true, accurate, artu neludina the possibility of fine	,		
complete. I am aware that there are significant penalties for	Submitting raise information, i	nciduling the possibility of the			
and imprisonment for knowing violations."  Signature/Certifier	Date				
Signature/Certifier					
S Cot. 30, 2017					
Signatory Name/Title: Typed or Printed	Telephone Number		-		
Stephen Ward / General Manager	301-	982-1400			
NOI Preparer (Complete if NOI was prepared by	omeone other than the o	ertifier)			
Prepared by: Lisa M. Hunt					
Telephone Number Email Address					
301-982-1400	lisa.hunt@aggregate-u				
Submit completed form and FEE (payable to M	aryland Department of	the Environment) to:			
Maryland Department of the Environment	, P.O. Box 2057, Baltim	ore, MD 21203-2057			

Form Number: MDE/WMA/PER.009

### MARYLAND DEPARTMENT OF THE ENVIRONMENT NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49 FORM INSTRUCTIONS

### WHO MUST FILE

The operator of a facility that is requesting to discharge water from mineral quarries, borrow pits, concrete and asphalt plants must submit a Notice of Intent (NOI) to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Discharge Permit No. 15-MM. If you have a question about whether you need this permit or any NPDES permit, contact the Maryland Department of the Environment (MDE), Wastewater Permits Program, at 410-537-3323.

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized by a State/ NPDES permit issued for stormwater discharges from industrial facilities identified in Section II of this form. Authorization to discharge begins upon notification of registration by MDE. The permit is available using this link <a href="http://gnl.at/MD-MMGP">http://gnl.at/MD-MMGP</a> or via MDE's website.

### **SECTION I: Owner/Operator Information**

- (A) Provide the legal name of the person, firm, public organization, or other entity that operates the industrial facility described in Section II of this application. An operator of a facility is a legal entity that controls the operation of the facility.
- (B) Provide the name of the Primary Contact; title of Primary Contact; Primary Contact phone number; Primary Contact e-mail address.
- (C) Provide the primary facility contact mailing address; city; state; zip. All correspondence will be sent to this address.
- (D) Provide the IRS Employer Identification Number (EIN).
- (E) Identify whether the owner/operator is private, federal or state/local government.
- (F) Provide worker's compensation insurance information for the facility identified in this section of the application.

### **SECTION II: Facility Information**

- (A) Provide the name of facility enter "same" if the name does not differ from the information in Section I(A).
- (B) Provide the physical address; city; state; zip enter "same" if the address does not differ from the information in Section I(C); Provide the County where the facility is located. If this is a contiguous system spanning multiple counties or cities, list all county or city associated with mailing address.
- (C) Provide the primary and any co-located four-digit Standard Industrial Classification (SIC) code describing the facility. Also provide a short written explanation of the industrial process category (e.g., scrap recycling of automobiles). The current Department of Labor's Occupation, Safety and Health Administration (OSHA) website (http://www.osha.gov/pls/imis/sicsearch.html) provides a detailed written description of SIC codes.
- (D) Provide latitude and longitude of the discharge/outfalls requesting to be permitted. To obtain coordinates, you may use a GPS to find location within your site. There are internet options that you can also use, such as Google's Tool. A step by step method can be found at this URL: <a href="http://gnl.at/MD-FindGPS">http://gnl.at/MD-FindGPS</a>. We require the coordinates be in degrees decimal. An example of this for Maryland Department of the Environment at 1800 Washington Blvd, Baltimore, MD would be latitude of 39.276027, longitude of -76.644779.
- (E) Identify if you are a new discharger, or previously covered under another permit. Identify any previously obtained NPDES permit (general or individual) for your stormwater discharges. If applicable, include the permit number. (e.g., 10MM1234 general permit or 12DP1234 individual permit, where 1234 was the unique 4 digit designation for your coverage).
- (F) Provide the total property size at the address, including both the industrial and non-industrial portions of your property (e.g., 2 acres).
- (G) Indicate whether your facility is currently inactive and unstaffed (Part V.A.4 of the permit). Note that if your facility becomes inactive and unstaffed during the permit term, you must notify the Department immediately.
- (H) This section is to verify information about where the stormwater is discharged. Identify the name(s) and 8 digit identifier of the receiving stream or water (e.g., Gwynns Falls 02130905), using the Department's "FindMyWatershed" tool at this link <a href="http://9nl.at/MD-Watershed">http://9nl.at/MD-Watershed</a>. When using they "FindMyWatershed" tool type in your address, and then place your mouse at your discharge points and left-click to bring up the identifier and receiving water.

To verify if receiving waters are impaired (Category 4a, 4b, 4c, or 5 water bodies), use the Departments "Integrated Report Water Quality Assessment Maps" at this link <a href="http://9nl.at/MD-Impaired">http://9nl.at/MD-Impaired</a> and review each of the impairments provided on that website (bacteria, biological, ions, metals, nutrients, PCBs, pesticides,

page 5 of 7

Form Number: MDE/WMA/PER.009

### MARYLAND DEPARTMENT OF THE ENVIRONMENT NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49 FORM INSTRUCTIONS

pH, stream modifications, sediments, toxics or trash) for your facility location. When looking at each of the maps, you can use the Legend Button on the upper right side of the map to identify what each color or shading means.

To verify if the receiving waters are designated as high quality waters, use the Department's "Tier 2" tools at this link <a href="http://9nl.at/MD-Tier2">http://9nl.at/MD-Tier2</a> to locate your facility location and identify if the stream or catchment are categorized as Tier 2. The "Tier 2" tools have shaded areas that indicate where waters are designated as high quality or Tier 2 waters.

To verify whether your receiving stream is a Use III or Use IV, use the Department's "Designated Use" map at this link http://9nl.at/MD-DesigUse.

If your facility discharges to a municipal storm sewer system (MS4), you are required to contact the jurisdiction. Local storm sewer systems under NPDES permits are listed at: <a href="http://9nl.at/MD-MS4">http://9nl.at/MD-MS4</a>. If you are uncertain of the MS4 operator, contact your local government department of public works for that information.

### SECTION III: Stormwater Pollution Prevention Plan (SWPPP) and Monitoring

- (A) Preparation and delivery of the SWPPP is required prior to the submittal of the NOI.
- (B) Indicate how you are providing your SWPPP to the Department, either online with appropriate URL (provide your URL in the space on the form), by email, or other methods provided in the permit. Also, identify the name, telephone number, and email address of the person who will serve as a contact for the Department on issues related to stormwater management at your facility. This person should be able to answer questions related to stormwater discharges, the SWPPP and other issues related to stormwater permit coverage, or have immediate access to individuals with that knowledge.

### **SECTION IV: Discharge Information**

Depending on your industrial activities, your facility may be subject to benchmarks or federal effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Review the summary table below in order to check the appropriate box(es) in the table in section IV where you must provide information for each of the outfalls on site. If there are any substantially identical outfalls, indicate it in the table by listing the outfall ID(s) in the appropriate box. For Outfalls subject to limits, list the Flow in Gallons Per Day (GPD).

Discharge Type	Table*	Benchmarks	Effluent Limitations
Sector A3 Storage and Handling Facilities (SIC 2411)	A-1	<b>✓</b>	
Sector A4 Natural Woodwaste Facilities (SIC 2499)	A-2	<b>✓</b>	
Wetting of logs at wet deck storage areas	A-3		✓
Sector C1 Composting Facilities (SIC 2875)	C-1	✓	
Phosphate fertilizer manufacturing (SIC 2874)	C-3		<b>/</b>
Sector D1 Asphalt Paving and Roofing Materials (SIC 2951, 2952)	D-1	· ·	
Asphalt Emulsion Facilities	D-2		<b>✓</b>
Sector E1 Clay Product Manufacturers (SIC 3251-3259, 3261-3269)	E-1	✓	
Sector E2 Concrete Gypsum Product Manufacturers (SIC 3271-3275)	E-2	<b>✓</b>	
Cement Manufacturing Storage Pile Run-off	E-3		<b>/</b>
Concrete Washout from Concrete Mixer Trucks, Moulds, or Equipment	E-4		<b>/</b>
Concrete Plant Vehicle Wash Water Only	E-5		<b>/</b>
Sector J1 Sand and Gravel Mining (SIC 1442, 1446) and Stone and			
Minerals (SIC 1411, 1422-1429, 1481, 1499)	J-1	<b>✓</b>	
Dewatering and/or process water discharges at crushed or broken			
limestone mining facilities (SIC 1422)	J-2		<b>✓</b>
Dewatering discharges at crushed stone mining facilities (SIC 1423-1429)	J-3		<b>✓</b>
Dewatering discharges at construction sand and gravel mining facilities			
and clay mines (SIC 1442, 1455-1459)	J-4		<u> </u>
Dewatering discharges at industrial sand mining facilities (SIC 1446)	J-5		<b>✓</b>
Vehicle washing at Mining Facility	J-6		<b>/</b>
Sector L4 Concrete or Asphalt Recycling	L-1, L-2	<b>✓</b>	
Wastewater from Hydro-blasting Operations	AD.C-1		<b>✓</b>

<sup>\*</sup> Please see the referenced tables in Appendix D of the permit.

### **SECTION V: Chemical Additives**

Form Number: MDE/WMA/PER.009

### MARYLAND DEPARTMENT OF THE ENVIRONMENT NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49 FORM INSTRUCTIONS

Confirm whether any Chemical Additives are used in the treatment of water, and whether you cationic chemical additives (Part III.B.1.b.v) which you are requesting approval for use (Part I.E.5). The use of polymers, flocculants, or other treatment chemicals, including use of cationic treatment chemicals (Part III.B.1.b.v), require that you include documentation in your SWPPP of the appropriate controls and implementation procedures designed to ensure that your use of treatment chemicals will not lead to a violation of water quality standards.

### **SECTION VI: Permit Fee**

Indicate the amount sent with this NOI form. Mineral mines, quarries, and borrow pits which discharge mining wastewater, process generated wastewater, and storm water to ground water only are exempt from the permit fee. The permit fee for discharges from mineral quarries, borrow pits, and concrete and asphalt plants stormwater is based on the total volume of effluent discharged from the facility. The fee shall be submitted with the NOI. The permittee shall pay an annual permit fee. The annual rate and application fee may change over time, so you are encouraged to check COMAR 26.08.04.09-1(F) at the time of your application.

### **SECTION VII: Certification**

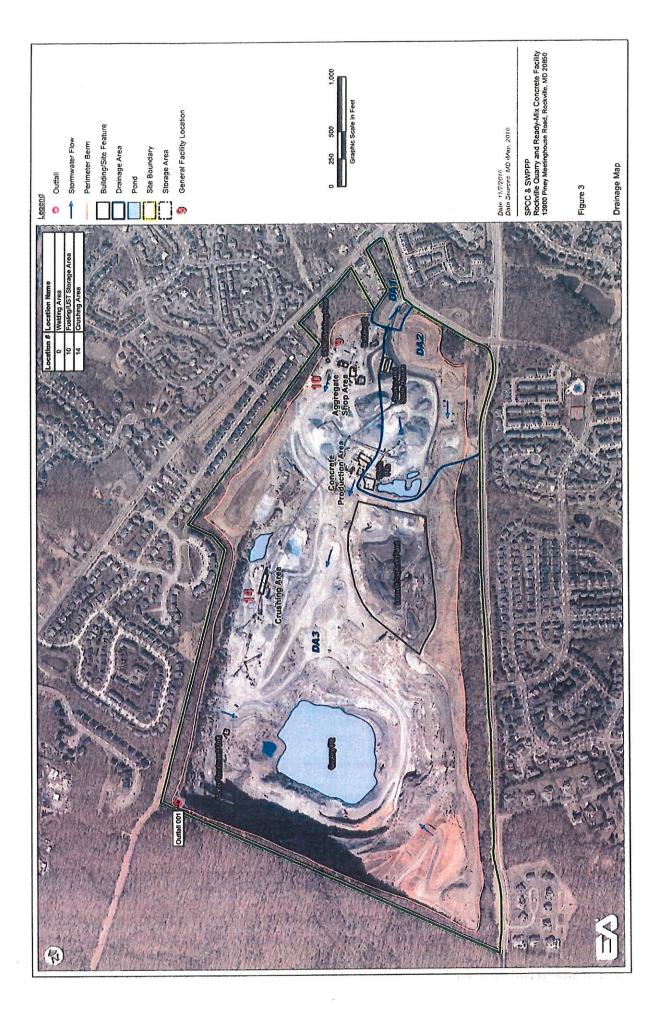
Signatures and Certifications are detailed in the permit Part II.C. Individuals who discharge to waters of the State without an individual State or general State/NPDES discharge permit, are in violation of the Federal Clean Water Act and of the Environment Article, Annotated Code of Maryland, and may be subject to penalties. An original signature and date is required.

A completed form will not be processed until the fee has been paid-in-full and your SWPPP has been received.

### **HOW TO SUBMIT:**

Send the completed NOI and fee (see permit) to Maryland Department of the Environment, P.O. Box 2057, Baltimore, MD 21203-2057 and provide the SWPPP in one of the allowed formats (Part II.A.3.b of the permit). You must ensure that the form is completely filled out and payment is enclosed, and the SWPPP follows all permit requirements and is successfully provided to the Department. Your permit application will be handled as efficiently as possible. However, if you fail to provide us with the information we request, we will be unable to process your registration for the permit.

Form Number: MDE/WMA/PER.009



			in the second second	
	£			

NAME Bardon Inc.
ADDRESS 6501 Golden Triangle Drive, Suite 400 ROCKVITE AUDITA 200 0 2010 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

FACILITY

OCATION

Rockville Qry & Rdy Mix Concrete Fac. 13900 Piney Meetinghouse Rd

Greenbelt, MD 20770

Rockville, MD 20850

FROM

2016-04-01 DD/WW/AA

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2016-07-30

YY/MM/DD

PERMIT NUMBER MDG491365 DISCHARGE NUMBER 001

MONITORING PERIOD

DEC 13 2017

REGESVED

APPROVAL EXPIRES 10-11-94 01:5 No. 2040, 0004 FORM APPROVED

10MM1365

Environmental Protection EFFLUENT

NOTE: Read instructions before completing this form

Flow pH difference H 03772 00556 1 0 0 Prod® 00530 1 0 0 00011 1 NAME/TITLE PRINCIPAL EXECUTIVE OFFICER 50050 Temperature Difference Oil & Grease Total Suspended Solids 00400 Temperature I Wasa to Lalork 03000 3000t \_ \_ PARAMETER 0 0 0 0 TYPED OR PRINTED 0 0 0 To form DRY C3 6 UP MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT 162 SAMPLE SAMPLE SAMPLE PERMIT SAMPLE PERMIT SAMPLE PERMIT SAMPLE WITH THE EXPENSANTOR SUBMETTED DENERS AND EXACT DENIXY PROBLEM. THOSE THE EXPLANATION SUBMETTED THE EXPLOSE AND THE EXPLOSE AN 51,146,000 (3 Card Only) Average ADD (46-53)\*\*\* NOISE SENAUTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AMPARETAS 51,146,000 Maximum Quantity or ADD \*\*\* रिकेट Loading GPD Unit \*\*\* 44.17 (4 Card Only) Minimum Z \*\*\*\*\* 6.0 0.0 0 Average Quality or **XXXXXXXX** \*\*\*\*\* (46-52) 70 SIGNATURE OF PRINCIPAL EXECUTIVE 20 OFFICER OR AUTHORIZED AGENT Maximum Concentration カンスク \*\*\*\* XXXXXX X U XX 15.0 10 8.5 60 90 00 0 MG/L MG/L Y1S 2/677 4 SU SU 19 12 5 15 10 \*\*\* (62-63) X 2 m S 24 D AREA CODE NUMBER 301 0071-286 TELEPHONE 1/30 1/30 1/30 12% E 1/30 Frequency of XX 1/30 1/30 1/30 1/30 1/30 1/301/30analysis (64-68) 2016-07-27 YEAR MO DAY -0 NE 25 8 100 2 DATE Sample Type 7 (69-70)NS GR GR S SR S Š S

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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	To say make, at Up/6 m shower and	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  WENDER MEDIANDER MEDIANDER STRUE, ACCRAFIE ACCRAFIE AND CAMPAND AND AND AND AND AND AND AND AND AND	REQUIREMENT ADD	MEA	2 1 0 0 REC	erature Difference MEA		Oil & Grease No form SAMPLE SAMPLE	00530 1 0 0 DRY PERMIT REQUIREMENT	Suspended	REQUIREMENT	pH difference SAMPLE MEASUREMENT	REC	MEA	11 1 0 0 REC	erature MEA	Average	PARAMETER (3 Card Only) O1 (46-53)		Rockville, MD 20850	N 13900 Piney Meetinghouse Rd		e, Suite 400	TEE NAME/ADDRESS
	SIGNEGANT PENATUS FOR STEMITING FALSE DECRAMION BIGLIDING THE FOSSIBILITY OF FIRE AND DATABONNENT SEE IS USE, 1911 AND 31 USE, 1918 OF PANATUS COMENTIASS. STATUTES MOTRELUME PRIES OF TO SHORN AND GR. MOTHEM HEMPIOONIENT OF BETTEEN S MONTHS AND TELEMON.	THE STATE OF THE STANDARD STATE AND CONTRACT OF THE STATE		606,000 7											***		Maximum Unit	Quantity or Leading (54-61)	FROM			PERMIT NUMBER	MDG491365	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
,	UDING THE FOREISHTITY OF NACTES CADER THESE RISONAENT OF BETTEEN 6	EXAMENTAL AND AMERICALAR IN MY INQUINY OF THOSE INFORMATION I DISLITATION I AMERICAN THIS THERE ASS	****		0	22					0.0	XX	6.0	0.4			Minimum	(4 Card Only) (38-45)	2016-05-01	DOWNINA	LINOW	r	DRING REPORT	ARGE ELIMINAT
	1	\	****		*****				30	4,4		25		かっ			Average	Quality or (46-53)	10		MONITORING PE	DISCHARG		
OFFICER OR AUTHORIZED AGENT	M	L	*****		****		15.0	XX	60	4,4	0	27	8,5	7.0	90	53	Maximum	Concentration (54-61)	2016.05.31	YY/MM/DD	PERIOD	DISCHARGE NUMBER	001	(NPDES)
AGENT	(ECUTIVE		*	<u> </u>	ñ	·	MG/L	zonaczna ana	MG/L		SU		SU	12	f à	·	Unit le		NOTE: Re		* [	п	л Э	
A R		<u> </u>		Ø		XX		MM		Ø		X		Ø		Ø	(62-63)	Ö Ö	ead instru		NO X		(SUBR 03) F - FINAL	
AREA CODE NUMBER	301	TELEPHONE	1/30	1/30	1/30	XX	1/30	NX	1/30	1/30	1/30	NA	1/30	1/30	1/30	1/30	(54-68)	Frequency of analysis	NOTE: Read instructions before completing this form		NO DISCHARGE	4	(3)	
YEAR MO DAY	70/6-07-27	DATE	MS	W 25	i-s	NIA	GR	K/N	GR	gr.	GR	NA	GR	; ;	<u>د.</u>	1.5	(59-70)	Sample Type	apleting this form.			10 MM/10 Z R Z	OMB No.2040-0004	FORM APPROVED

EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

YEAR MO DAY	AREA CODE NUMBER		D AGEN	OFFICER OR AUTHORIZED AGENT	/ OFFIC						TYPED OR PRINTED
2016-67-27	682-1400	J.W.	EXECUT	SIGNATURE OF PRINCIPAL EXECUTIVE	-	SECURED OF ELLERN	ENER)	STATUTES (ACT DOSCUTE PORTS OF ESTREEN'S STATUTES (ACT TO SSOCIOLO STATUTES (ACT TO SSOCIOLO STATUTES (ACT TO SSOCIOLO STATUTES ACT TO STATUTES (ACT TO SACONO ACT TO STATUTES	TATUTESMODEOUTES		
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i-S	1/30		ñ	*****	*****	0				PERMIT	03772 1 0 0
NA	XIX	Z Z	5 2	NX	27	18				SAMPLE MEASUREMENT	Temperature Difference
GR	1/30	7	MG/L	15.0						REQUIREMENT	00556 1 0 0
NX	NZ	12	219	NA						SAMPLE MEASUREMENT	Oil & Grease No form oil
GR	1/30	7	MG/L	60	30					PERMIT	00530 1 0 0 DRY
5	1/30	Ø	19 19	6,5	2,5					SAMPLE MEASUREMENT	Total Suspended Solids
GR	1/30		SU	0		0.0				PERMIT :	
NA	NA	N. N.	2 12	ZX	DX	22				SAMPLE MEASUREMENT	pH difference
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i-S	1/30	375	e e	90			*	****	****	PERMIT REQUIREMENT	00011 1 0 0
2-1	1/30	Ø	7 5	・ナ						SAMPLE MEASUREMENT	Temperature
(69-70)	(64-68)	-	Unit	Maximum	Average	Minimum	Unit	Maximum	Average		
Sample Type	Frequency of analysis	Z S		Concentration (5461)	Quality or (46-53)	(4 Card Only) (38-45)	Loading	Quantity or (54-61)	(3 Card Only) (46-53)		PARAMETER (32-37)
pleting this form.	NOTE: Read instructions before completing this form	E: Read ins	LNOT	2016-06-30	To	:006.06.0;	FROM				
			J	YY/MM/DD		YY/MM/DD		,		20850	!!
	NO DISCHARGE	*	الا	PERIOD	MONITORING PE	MONI			9	tinghouse Rd	LOCATION 13900 Piney Meetinghouse Rd
10MM1365	m N T	EFFLUENT	1	GE NUMBER	DISCHAR		MBER	PERMIT NUMBER	ח ט	1D 20770	.
PERCONT EXPIRES 10-31-54	NAL	(SUBR 03) F - FINAL	11	001		DISCHARGE MONITORING REPORT (DMR)	365	MDG491365	te 400	angle Drive, Su	NAME Bardon Inc. ADDRESS 6501 Golden Triangle Drive, Suite 400
FORM APPROVED				(NPDES)		ARGE ELIMINA	NT DISCH	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NAT		PERMITTEE NAME/ADDRESS

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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YEAR MO DAY	AREA CODE NUMBER		AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATA	1	Direct)	and any areas			TYPED OR PRINTED
2	301	<u></u>	\	July 1		IDING THE POSSIBILITY O ALTIES UNDER THESE ISONAENT OF SETTEEN (	ORMATION INCLU 33 USC 131% (FEN EAKLUMEM IMPRI EARL)	NULLANI IBS EN KUMITING ELIS PROMINION NCLIUDIG THE POMIBILITY ENE AND IMPUSONMENT SEE 18 USC ,1001 AND 33 USC ,111 (FENLITIES UNTER THESE SUTENMATINCUOE SINEN UP TO 1814/001,300 AND ACCUMALADRISONMENT OF SETTEES	SHANIHAANI PENALTISI SOK KUMUTING EAISE EPORKAMOOK INCLUDING THE POKSIBILITY OF ENE AND IMPAISONAENI SEE 18. UNC. (3001 AND 33 UNC. (331% (PENALTIES COVERTTIES)); STATUTES AMITINCLUDE SINKS OF TO 513,000 AND OR ACCIMANIA PRISONAENT OF BETFEEDAS.	とやこ	Josep Maset VIV
m	TELEPHONE	,		1	2	MINED AND AMEANDIAN I ENQUELY OF THOSE REMATION I BELIEVE THE AWARE THAT THERE ARE	ND IWATED ON NO WATER OF THE IWATER ON NO	Y OF LAW HAVE FOR ORI ON SUBMITTED HEREIN A Y RESPONSELE FOR ORI IS TRUE, ACCURATE AND	AND THE LEGISLATION OF THE PROPERTY OF THE PRO		ITLE PRINCIPAL EXEC
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	PE/!	Ø					507	1,080,000	1,080,000	ENT	
1	1/30		ů,	****	****	0				REQUIREMENT	00172 1 0 0
	XIV	X	15	NX	NX					MEASUREMENT	arainte
- 1	1/30		MG/L	15.0						REQUIREMENT	Temporation Diff
	12	**	19							SAMPLE MEASUREMENT	Sreas
	1/30		MG/L		30					PERMIT REQUIREMENT	300
1	1/20	D	19,	1,4	h 7					MEASUREMENT	buspended
- 1	1/30		SU	0		0.0				REQUIREMENT	
1	NX	10%	12	ベング	ンメ	1/1				MEASUREMENT	pri dillerence
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	1/30	Ø	12	7,0	のオ	7.0				MEASUREMENT	00400 1 0 0
- 1	1/30	```	fi ¬	90			**	****	****	REQUIREMENT	000
- 1	1/30	B	15	82.6						MEASUREMENT	EIGIUIE
	(64-68)	(62-63)	Unit	Maximum	Average	Minimum	Unit	Maximum	Average		Tomografica
	Frequency of analysis	Σ Ö		Concentration (54-61)	Quality or (46-53)	(4 Card Only) (38-45)	Loading	Quantity or (54-61)	(3 Card Only) (46-53)	X	PARAMETER (32-37)
8	NOTE: Read instructions before completing this form	Read in	NOTE:	2016/07/31	TO	2016/07/01	FROM				
ti	NO DIVORANGE			YY/MM/DD	-	YY/MM/DD				ID 20850	Rockville, MD 20850
100	UENT	EFFLUENT		FRIOD	MONITORING PI	MON			, c	etinghouse Rd	Z
	į	•	L	DISCHARGE NUMBER	DISCHAR		UMBER	PERMIT NUMBER	П Э	Greenbelt, MD 20770	Greenbelt, MD 20770
	R 03)	(SUBR 03)	ل	001		IDG491365	GE MONITO	MDG491365	ite 400	6501 Golden Triangle Drive, Suite 400	ESS
				(NPDES)	ATION SYSTEM	HARGE ELIMINA	ANT DISCI	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NA.		PERMITTEE NAME/ADDRESS  NAME  Rardon Inc.

EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

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YEAR MO DAY	AREA CODE NUMBER	Þ	AGENT	OFFICER OR AUTHORIZED AGENT	OFFICE						TYPED OR PRINTED
1018-10-2+	186-1400	Т.	CECUTIVE	SIGNATURE OF PRINCIPAL EXECUTIVE	SIGNATUR						3
<i>i</i>				12,1	3	USONARY OF BETWEEN	33 USC 1319. (PE) RALDAGALIMPA PENES)	EDE AND MIRMONMENT SEE IN USC. JOH AND 33 USC. JOH, FERVALTES DIAGNOSTICITY OF SET PERNAT ANT ANCIDED PINES UP TO \$10,000 AND OR MADWIGH HERDONMENT OF SET PERNAT MATERIAL PINES UP TO \$10,000 AND OR MADWIGH HERDONMENT OF SET PERNAT MATERIAL PINES UP TO \$10,000 AND OR MADWIGHT HERDONMENT OF SET PERNAT	ATUTES MAY INCLUDE DI	بر هار	2022 Point Sel
DATE	TELEPHONE	$\overline{}$		J.	i le re	Y INQUIRY OF THOSE ORMATION I HELEVE HELEVE THE CAWARE THAT THERE ARE	ND BASED ON M	ALL BURNON SELECTION FOR THE STATE OF THE STATE OF THE STATE OF SELECTIONS IN THE STATE OF SELECTIONS OF SELECTIONS SELEC	WITH THE INFORMATION OF THE PROPERTY OF THE PR		
OIM	1700					OF LAW THAT THAVE PERSONALLY EXAMINED AND AMFANDLAS	ENGONATIVE OF S	O OF LAW THAT THAVE P	CERTIFY UNDER PENAL!		
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<u>-</u> ;	1/30		я `	****	*****	0				REQUIREMENT	"
NX	XX	11/4	\$ 15	7	XX	101	_			MEASUREMENT	G
GR	1/30		MG/L	15.0						REQUIREMENT	Temporatura Difference
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GR	1/30		MG/L		30				Y	PERMIT REQUIREMENT	1 0 0
576	1/30	Ø	19		2.0					SAMPLE MEASUREMENT	Suspended
GR	1/30		SU	0		0.0				REQUIREMENT	
AVA	NA	Y.IY	12	XX	NX	NX				SAMPLE MEASUREMENT	рн аптегепсе
GR	1/30		SU	8.5		6.0				REQUIREMENT	00400 7 0 0
96	1/30	Ø.	12	4.9	4.3	4.3				MEASUREMENT	,
	1/30		Å,	90			**	***	* * *	REQUIREMENT	0 0 1 1000
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(69-70)	(64-68)	(62-63)	Unit	Maximum	Average	Minimum	Unit	Maximum	Average		
Sample Type	Frequency of analysis	EX O		Concentration (54-61)	Quality or (46-53)	(4 Card Only) (38-45)	Loading	Quantity or (54-61)	(3 Card Only) (46-53)		PARAMETER (32-37)
npleting this form.	NOTE: Read instructions before completing this form.	Read in:	NOTE:	Bert 108/31	70	2016/08/01	FROM				
				YY/MM/DD		YY/MM/DO			,	1	Rockville, MD 20850
COSTINIVIOL	NO DISCHARGE	EFFLUENT		PERIOD	MONITORING PE	MOM			, , ,	etinghouse Rd	LOCATION 13900 Piney Meetinghouse Rd
			<u></u>	GE NUMBER	DISCHAR		JMBER	PERMIT NUMBER	FDC	Rdv Mix Concre	FACILITY Rockville Qry & Rdy Mix Concrete
APPROVAL EXPIRES 10:31-64	INAL	F - FINAL		001			1365	MDG491365	ite 400	6501 Golden Triangle Drive, Suite 400	AUDRESS 6501 Golden Tr
OWE NO SPECIOUS	₹ 03)	(SUBR 03)			(DMR)	DISCHARGE MONITORING REPORT (DMR)	GE MONITO	DISCHAR			
17014 10070100				(NPDES)	ATION SYSTEM	HARGE ELIMINA	ANT DISC	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NA		PERMITTEE NAME/ADDRESS

EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

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September 2016

YEAR MO DAY	CAREA COOL NOMBER						monts here)	(Reference all attachments here)		ANY VIOLATIONS	OMMENT AND EXPLANATION OF ANY VIOLATIONS
7018.10.7 F				OFFICER OR AUTHORIZED AGENT	OFFICE						TYPED OR PRINTED
)	301		XEC IT	SIGNATURE OF PRINCIPAL EXECUTIVE	1	SOUVENLOS BULLES (NOTES DE LES EN 25 EN 12 EN 25	S USC LISTS (PEN MANUMUM INSPEC EMRIC)	FERE ASTA DEPRESENTATION SEE IN UNC. (101 ASTA ) I UNC. (119, FREALTHES UNDER THESE STATUTES AND INCLUDE FERENCE UP TO \$10,000 AND DE ANALYMON ILLIPRODUNCIATION DEPTREENS AND THE ANALYMON ILLIPRODUNCIATION DEPTREENS	FINE AND INCLUDE FL	5	72
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i-s	1/30		en en	****	******	0	1			100 P	Flow
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GR	1/30	1	MG/L	15.0						SAMPLE	Temperature Difference
7654	NX	XIX	19	NA						PERMIT	00556 1 0 0
GR	1/30	7	MG/L	60	30					SAMPLE	Oil & Grease No horm oil
21-6	130	00	- June	1.0	1.0					PERMIT	00530 1 0 0 DRY
0.7	100	Ø C	19	0.						MEASUREMENT	Total Suspended Solids
0	1/30		SZ	0		0.0				REQUIREMENT	7.5.1
2/2	101	2/1/4	1	X	7	KUK				MEASUREMENT	
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1 0	_		15	75.2						MEASUREMENT	
(69-70)	(64-68)	1	Unit	Maximum	Average	Minimum	Unit	Maximum	Average	SAMBLE	Temperature
Sample	Frequency of	E S		Concentration (54-61)	Quality or (46-53)	(4 Card Only) (38-45)	Loading	Quantity or (54-61)	(3 Card Only) (46-53)	$\setminus$	PARAMETER (32-37)
npleting this form.	7013-09-30 NOTE: Read instructions before completing this form.	TE: Read in	NON (	7012-09-3	10	10-20-210	FROM				
				YY/MM/DD		YY/MM/DD			•	10 20030	100000 MID 20030
10MM1365	**** NO DISCHARGE	***		ERIOD	MONITORING PI	NOM			; ;	etinghouse Rd	LOCATION 13900 Piney Meetinghouse Rd
				GE NOMBER	DISCHAR	1	מאטבוי		te Fac.	Rdy Mix Concre	Rock
APPROVAL EXPIRES 10-31-94	F - FINAL	7T)					1365	PERMIT NI IMBED	116	Greenbelt, MD 20770	
OMB No. 2040-0004	(SUBR 03)	(SUB)		1	(DMR)	DISCHARGE MONITORING REPORT (DMR)	GE MONIT	DISCHAR		6501 Golden Triangle Drive Suite Ann	ADDRESS 6501 Golden T
1000				(NPDES)	ATION SYSTEM	HARGE ELIMINA	TANT DISC	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	Z.		AM

E-Mait	Name	User	BARDON,	Report Last Saved By	No affactments	Attachments	Conunents	100 07000	No arrive	Edit Check Errors	Submission Nate		52214 pH change (range)		SOUSO PRINT	,		D0530 Solids, total suspended			20400014		Code	Form NODE	No Date In	Last Name:	First Name:	Principal E	T delicitor at	Monitoring Period:	Report Dat	Permitted Feature:	Major	Permit #	
sharon_hoga	Sharon Hogan	sharon.hoga	NC. (dba AGGREG	! Saved By		Ħ				Errors	Nate .		on (range)		50050 From, in spindul or thru brothwest prent			plat suspended					Name		No Data Indicator (NOD!)			Principal Executive Officer	Considerations for Public Completion	Period:	Report Dates & Status	eature			
sharon, hogan@aggregate-us.com	<b>399</b>	sharon.hogan@aggregate-us.com	BARDON, INC. (dbs AGGREGATE INDUSTRIES)							liain any values for			EG - Effuent Gross 3		EG-EMMAN Gross 0			EG-EMWER GROSS 0			EG - Effuent Gross 0		Location	1		Ward	Sleve	pri dineranca is no	pretton	From 10/01/15 to 10/31/16		001 External Outfall	₹	MDG491365	
a		3								the Sample nor E			1		1			1			0		Sesson Param					required to be re		10/31/16					
										fluent Trading, the	700	Value	Permi	HOOM	Ren	Sample	MODI	Req	Sample	NOON	Reg		Outline				Title:	ported because sa		DMR Due Date:		Discharge:	Permitte	Permittee	
										none of the followi			•		AVG Non MO								Vehoe !					nples meet limits, r		Date:			Permittee Address:	7	
										a parameter fow does not contain any values for the Sample not Emuert Totaling, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					MX DAILY	720000							Duantity or Loading Usatifier Value 7				Vice President,	in, during the monaturing period, pri dimension is not required to be reported because samples meet limits, report value as NIA in space ellocated for value. Principal Executive Officer		01/28/17		001-A 10-MM-1365	6401 GOLDEN GREENBELT.	BARDON, INC.	
										hitted for that row: U			¥		gald.	gality					ĭ	•	Units Qualifier				Vice President, General Manager	space allocated for					6401 GOLDEN TRIANCLE DRIVE, SUITE 400 GREENBELT, MD 20850	BARDON, INC. (dba AGGREGATE INDUSTRIES)	
		Date/Time.								ots, Number of Exc	8	9 - Conditional Monteying - Not Required The	CDAILY MN								BOALYMA	C						value					SUITE 400	INDUSTRIES)	
		*								ursions, Frequency		NO - NOT BEGINNE TON											Value 1												
										of Analysis, and San								AVG AVG	3.0				Quality or Cones  Qualifier Value 2			-	Telephone:			Status:			Facility Location:	Facility:	
		2017-01-26								nple Type.		9-0	AH DDAILY NX					4 80 DA	1 39		8.50	4 6.7	Value 2 Qualifler										tion:		
		2017-01-26 13:26 (Time Zone: -05:00)										9 - Conditional Meditoring - Not Required This	XWA					SO DAILY MY			8.SDAILY MX		Value 3				301-982-1400			NetDMR Validated			13900 PINEY MEETINGHOUSE ROAD MONTGOMERY COUNTY ROCKVILLE, MD 20850	ROCKVILLE QUARRY & READY MIX CONCRETE	
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HE BY YEARS SHEET	FG - Ernand Gross 0	E. IRABINETE E.G Ethanet Costs. 0  #G Ethanet Costs. 0  ss not contain any values for the	cor the Imature EG-Effuert Gass 0  gol PG-Effuert Gass 0  gol PG-Effuert Gass 0  e v does not contain any values for the re	EG. Effuent Cross. 0	Stove  Ward  Oar (NOD!)  EG- Effuent Cross D  Eg- E	Report Dates & Status  Monttoning Period:  Considerations for Form Completion  II. during the monteoning period, pH difference is not to Principal Executive Officer  First Name:  Last Name:  Last Name:  Last Name:  Last Name:  Code:  Paymete:  Varid  No DBJs Indicator (NODR)  Form NODI:  Paymete:  Code:  Name:  Last Name:  Last Name:  Code:  Paymete:  Code:  Code:  Paymete:  Code:  Paymete:  Code:  Code:  Paymete:  Code:  Code:  Paymete:  Code:
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		User:	SARDON, INC. (d.	Report Last Saved By	Attachments No attachments		Comments	No errors	If a parameter row	Submission Nore		52214pH change (range)		S0050 Flow, in conduct or thou Imaginant.			00570 Solids, total suspended			00400pH		Code Parameter	Form NODE	No Data Indicator (NODI)	Last Name:	First Name:	Principal Executive Officer	If, during the monit	Monttoring Period: Considerations for	Report Dates & Status	Permitted Feature:	Major:	Permit #:	Permit	CHILL CODY OF VECOID
sharon.hogan@aggregate-us.com	Sharon Hogan	sharon.hogan@aggregate-us.com	BARDON, INC. (db.) AGGREGATE INDUSTRIES)	ďSy					does not contain an											63		7	ı	(NOD!)	Ward	Steve	re Officer	If during the monitoring period, pH difference is not required to be recorded because samples meet limits, report value are NIA in space althought value.	Form Com	latus		₹	MDG		1 250010
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									ng fields will be su					Reg Man DAILY								Quantity or Loading S Qualifler Value 2				Vice Preside		mort value are NIA	01/28/17		001-A 10-MM-1365	6401 GOLDE GREENBEL	BARDON, I		
									abmitted for that r			3.6		ALLY 07.	gate					¥	"	2 Units Gratifier				Vice President Genreal Manager		n space allocate				6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT, MD 20850	BARDON, INC. (dba AGGREGATE INDUSTRIES)		
									ow: Units, Numb		9 - Condition Period									6 DAILY MN	6.5	realities 1				ger		d for value				RIVE. SUITE 400	GATE INDUSTR		
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		2017-01-26 13:30 (Time Zone: -05:00)									9 - Conditional Monitoring - Not Required This Pennod	OBALYMX					60 DAILY MX	7.1		8.5 DAILY MX	65	Value 3				301-982-1400			NetDMR Validated			13900 PINEY MEETINGHOUSE ROAD MONTGOMERY COUNTY ROCKVILLE, MD 20850	ROCKVILLE QUARRY & READY MIX CONCRETE		
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Permit

No.	If a paramete	%2214µm change (range) Submission Note	50050 Flow, on a	06530 Solids, тоты чисымчин	Code  //D400 p=	First Name: Last Name: No Data Ind Form NODI:	Monitoring Period: Considerations for It during the monito Principal Executive	Permitted Feature. Report Daires & St	Permit #: Major
	or row does not cont	e (range)	50050 Flam of Epindual for third frequences	Seforechin	Parameter Name	First Name: Last Name: No Data Indicator (NODI) Form NODI:	Monitoring Penod: From Completion Considerations for Form Completion It during the monitoring period, pH diffe Principal Executive Officer	Permitted Feature. Report Dates & Status	
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	ent Trading, then n	Pernyt Req. Value NODI	Sample :	Sample Permit Req. Value NOD!	Sample Sample Permit Req. Value NODI	Title:	DMR Due Date.	Discharge:	Permittee
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	fields will be submi		720000 Ring Mem DALLY NX		Quantity or Loading Qualifier Value 2	Vice PResident	04/28/17 pon value as N/A in	001-A 10-MM-1365	BARDON, INC. (dba AGG 5401 GOLDEN TRIANGL GREENBELT, MD 20850
	red for that row: Un		07. gang 07. galer		Units Ousiliter	Vice PResident. General Manager	space allocated for		BARDON, INC. Idba AGGREGATE INDUSTRIES) 6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT, MD 20850
	its. Number of Excu	© DARY MN 9 - Canadianas Mandevins - Nei Required The Period			5 DALLY MIN		value		E INDUSTRIES)
	rsions. Frequency o	a - Not Required The			Value 1				
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		\$ 12.5u	b	19. 19. 19.	Units 17-50 17-50 1				EADY MIX CONC
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		SR-GRAB	OVED - BYZO	GR - GEAG	of Sample Type GR. GRANS GR. GRANS				

Report Last Saved By

BARDON, INC. (dbs AGGREGATE INDUSTRIES)

User

Sharon hogan@aggregate-us com

Name

Sharon Hogan

E-Mari

Sharon hogan@aggregate-us com

sharon.hogan@aggregate-us.com sharon.hogan@aggregate-us.com

Date/Time

2017-04-28 10:29 (Time Zone: -04:00)

No errors Comments

Attachments

				*	

# Feb 2017

## DMR Copy of Record

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Edit Check Errors	Submission Note	52714 pm change (range)			5000) Flow in conduit or thru treatment. EG - Ethaeni Grour.		DDS30 Solds, Educus suspended			Hd 00730		Code		Form NODI:	No Data Inc	Last Name	First Name	Principal E	If, guring the	Considerat	Monitoring Period	Report Dates & Status	Permitted Feature		-	Permit #	Permit
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ng fields will											,	Qualifier	Diameter of the				Vice P		coort value :		04/28/17		001-A	Ś	6401	BARD	
be submitted				Sample Sample	Reg Non DALLY MX												Resident Gr	ode in Case	N/A in shi		17		-1365	C. C	SOLDEN TH	ON, INC (d)	
for that row				E - Anaryus Not Conductiva No. Somoie	XIIX	•						Value 2				Paris of the Paris	Vice PResident General Manager	oc anotaled	To allocated					50000	6401 GOLDEN TRIANGLE DRIVE, SUITE 400	BARDON, INC. (dba AGGREGATE INDUSTRIES)	
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ype				8		E - Analysis Not Conducted No Sample						Quality or Concentration Value 2															
		â					;				u	Qualifier				301-982-1400				NetDMR Validated				MONTGON	13900 PINE	ROCKVIII	
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												Frequency of S															
		GR-GRAS		Gr. CKA			GR - GRAN		GR - CRAB		100	Sample															

## No errors

## Comments

The site discharged on Feb. 1.7.6.8, 2017 but the monthly sample was not collected then. When wile during on Feb. 21, it immediately broke down without discharging, so they could not collect the monthly sample as planned. A lotal of 2,160,000 gallions were discharge on the three days. As writing the discharge of the monthly sample were good, we have no reason to suspect that the water discharge in Feb. was not writin spec, for pH or TSS. The pump was repaired and the next discharge occurred on March 21, 2017.

## BARDON, INC. (db.) AGGREGATE INDUSTRIES) Report Last Saved By

Name E-Mail Richard Freedman

richard freedman@aggregate-us.com

Date/Time

2017-04-28 14:15 (Time Zone -04:00)

# Mar 2017

## DMR Copy of Record

Fermit								
Permit #	MDG491365		Permittee	BARDON, INC. (dba AGGREGATE INDIJECTRIES)				
Major:	NO.		Permittee Address.	GAOT GOLDEN TRIANGLE DRIVE SUITE 400 GREENBELT, MD 20850	Facility Location:	ROCKVILLE DUARRY & READY MIX CONCRETE 13900 FINEY MEETINGHOUSE ROAD MONTGOMERY COUNTY ROCKVILLE, MO 20650	Y MIX CONCRETS	
Permitted Feature	001 External Outfall		Discharge:	001-A				
Report Dates & Status								
Monitoring Period	From 03/01/17 to 03/31/17	7	DMR Due Date:	04/28/17	otation.			
Considerations for Form Completion	mpletion				Same	NetDMR Validated		
if, during the monitoring perior	<ol> <li>pH difference is not require</li> </ol>	d to be report	ed because samples meet limits, re-	It during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as NIA in space allocated for value.				
Principal Executive Officer								
First Name:	Slephen		Title:	Vice PResident General Manager	-			
Last Name	Ward			The state of the s	reseptione:	301-982-1400		
No Data Indicator (NODI)								
Form NODI:	,							
Parameter	Monitonny Season	o Parin		Quantity or Loading	Quality or Concentration			
7447		Š	Qualifier Value 1	Qualifier Value 2 Units Qualifier Value 1	Qualifier Value 2 Qualifier 2	Value 3	Units Ex. Analysis	s Type
			Permi	7	4	-1	12 - SU 01.30 - Montes	GR - GRAD
663	EG-Ettavent Gross D	1	Req	6 DAILY MN	A.	SEDALYMA	12 - Su _ 01/30 - Weepa,	SR - GRAS
			NODI					
			Sample		. 76 .	oe oe	19. 01/10. strain.	
U0530 Solds, total susciences	EG - Elfhant Gross 0	T.	Permit		30,40			97.000
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			Sample = 1728000 =	1736000 07.			offic Month	GP. FBAR
SCOSD Prior in conductor this treatment	EG-EMMER CONSO P	1	7	Rest Mon DAILY 07.				0
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822 fd per cruange (carage)	EC - Efficient Grown ()	1	Req	DEALY MIN		ם מאני ענא	12 - SU 01/10 - Months	0% - 0%NE
Submission Water		,	NODI	Conditional Montaining - Not Regained This Period		9 - Constitional Monitoring - Not Required The Person		
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Edit Check Errors
No errors none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type

Comments

BARDON, INC. (dba AGGREGATE INDUSTRIES) Report Last Saved By

sharon hogan@aggregate-us com

Sharon Hogan sharon.hogan@aggregate-us.com

Date/Time

2017-04-28 14:13 (Time Zone: -04 00)

April 2017

DMR Copy of Record

Permit

Name	User	BARDON, INC	Report Last Saved By	No attachments	Attachments	Comments	No errors.	Edit Check Errors	If a parameter	Submission Note		82214 pH change [range]			Pured Oceans	Flow, in con			Principal Service Serv			H400M00		Code	ש	Form NODI:	No Data Indicator (NODI)	Last Name:	First Name:	Principal Exe	If, during the n	Consideratio	Monitoring Period:	Report Dates & Status	Permitted Feature:		Major	Permit #:
Sharon Hogan	sharon.hogan	(dba AGGREGA	wed By					3	raw does not cont	ote		rangel			Supplement	duit or thru treatment			Ciconosta					Name	Parameter		ator (NODI)			Principal Executive Officer	nonitoring period.	Considerations for Form Completion	ariod:	& Status	oture:			
3	sharon.hogan@aggregate-us.com	BARDON, INC. (dba AGGREGATE INDUSTRIES)							If a parameter row does not contain any values for the Sample not Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis and Sample Two			EG-Effuent Gross 0			EG - Effuent Gross 0			CO-Empant Crists of				EG-Emuent Gross D		Location		1		Ward	Stephen		if, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.	pletion	From 04/01/17 to 04/30/17		001 External Outfall		No	MDG491365
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_	_								ed for that re			¥			galio	guird								Units Qualifier					eneral Man		sace allocat					20850	RIANGLE	the AGGRE
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2017-07-27 09:55 (Time Zone: -04:00)											9 - Conditional Monitoring - Not Required This													Value 3				1400					National Validated			MONTGOMERY COUNTY ROCKVILLE, MD 20850	ILLE QUARE	
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												GR - GRAB			CR - GRAR	CR - GRAS		GR-GRAB	GR - GRAB		CK - CHOLD	GK - PIGHT	Cosn	Sample Type														

sharon,hogan@aggregate-us.com

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# May 2017

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	Ġ.	י טייר, זוירר.	200	Report Last Saved By	No allacoments	Attachments	Comments	No errors	Edit Check Errors	parameter r	Submission Note		82214pH change [range]			plant	Flow, in com			00530 Solids, Total suspended			OPH		•		Form NODI:	Data Indic	Last Name:	First Name:	ncipal Exe	during the n	nsideratio	Monitoring Period:	Report Dates & Stellus	Permitted Feature		Major.	Permit #:	Permit
	Sharon Hogan	CARDOR, INC. (008 AGGREGATE INDUSTRIES)	,	red By					570	ow does not conta	ote		ange!			plint	dul of the married			Suspended					Name	Parameter		No Data Indicator (NODI)			Principal Executive Officer	nonitoring period, I	Considerations for Form Completion	eriod:	& Status	ature:				
	Sharon Hogan	TE INDUSTRIES)								in any values for			EG-Effuent Gross 0			EG-Effuert Grass 0				EG-EffunntGross 0			EG - Ethurnt Gross 0		rocation	Monitoring	1		Ward	Stephen		pH difference is n	pletion	From 05/01/17 to 05/31/17	Contain Contain	001		ő	MDG491365	
	3									the Sample			0			0										Season						ot required		0 05/31/17						
										nor Effluer			•			•							1			Param.						to be repor								
										nt Trading, u		NODI	Rep	Sample	HODE	Req	Sample =	HODI	Red	Permit	Sample	Value	Req	Sample				-		Title		ted because	-	OMR	-	Discharge:	_	Perm	Permittee:	
										hen name of the folio						AVG MON MO	720000								Qualifier Value 1	0					,	samples meet limb		DMR Due Date:		arge:		Permittee Address:	ittee:	
										owng fields will be s						MX. Reg Mon DAILY	720000								Qualifier 2	Quantity or Leading			Contract maintage	Vice President		If, during the monitoring period, pH difference is not toquired to be reported because samples meet limits, report value as NIA in soons allocated for using		07/28/17	10-MM-1365	001-A	GNEEND	6401 GOL	BARDON	
										ubmitted for							gand								Value 2 U				Total Colonia	in Canar	and approx	A in space			65		C1. MO 20	DEN TRIA	INC. (dba	
	_									r that row: U			:			ŭ	4						á		Units Qualifier				and and and and and	Lanna	BIOCOGO IC	allocated to					g	NGLE DRIV	AGGREGA"	
										nits, Numbe		9 - Condition	DAILYMN					13					6 DAILY MN	6.9	4						N Value							6401 GOLDEN TRIANGLE DRIVE, SUITE 400	BARDON, INC. (dba AGGREGATE INDUSTRIES)	
	Date/Time									If a parameter row does not contain any values for the Sample nor Effuent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions Frequency of Analysis and Sample Trading.		9 - Conditional Monitoring - Not Required This. Period													Value 1													8	RIES)	
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E-Mail

18				

Permit #:	MDG491365	Permittee:	BARDON INC. (dba AGGREGATE INDITIONS)				
Major:	No	Permittee Address:	6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT, MD 20850	Facility Location:	ROCKVILLE QUARRY & READY MIX CONGRETE 13900 PINEY MEETINGHOUSE ROAD MONTGOMERY COUNTY	MIX CONCRETE YOAD	
Permitted Feature:	001 External Outfall	Discharge:	001-A 10-MM-1365	_	COCKAPTE MD 50000		
Report Dates & Status							
Manitoring Period:	From 06/01/17 to 06/30/17	DMR Due Date:	777747				
Considerations for Form Completion	npletion			Status:	NetDMR Validated		
If, during the monitoring period	If. during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as NIA in space attended to the reported because	because samples meet limits repo	d value as N/A in cases allocated to				
Principal Executive Officer			and the state of t				
First Name:	Slephen	Title	Vin Brasidani Ganari Managari				
Last Name:	Ward		vice rresident, General Manager	Telephone:	301-962-1400		
No Data Indicator (NODI)		8					
Form NODI:	1						
Parameter Code Name	Monitoring Season Param. Location a NODI	Qualifier Value 1 Qualifier Value 2	er Loading Walter Value 2 Units Qualifier 2	Value 1 Quality or Concentration  Value 1 Qualifier Value 2 Qualifier	Value 3	Bof Frequency of Units Ex. Analysis	
00400 pi+		Sample		*	7	12-50 01/30 - Alementy	0
		Volum	alia i hada	a	85 DAILY MX	12 - SU <sub>G</sub> 01/30 - Monthly	^
	N	Sample		z 72 z	7.2		
00K00 Solids, total suspended	EG - Effluent Gross 0	Permit Req.			60 DAILY NOX	mg/L 01/30 - Morthly 19.	0 0
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enoce Flow, in conduit or thru treatment		н	72000 07 - gade			61/30 - Monthly	3
source plant	EG - Effuert Gross 0	Red. AVG	Reg Mon DAILY 07. NX 9xid			O D1/3D - Mominiy	0 6
82214 pH change [range]	EG - Effaient Gross 0 - P	Sample Permit Req.	># DDAILY MN				
Submission Note	l <sub>z</sub> s	Value	9 - Constanul Ma Period	9 - Conditional Manitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period	12 - SU 91/30 - Monthly C	ຄ
If a parameter row does not con	ain any values for the Sample nor Effluent T	rading, then none of the following f	elds will be submitted for that row: Units, Number of I	If a parameter row does not contain any values for the Sample nor Effuent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type			
				The state of the s			

GR-GRAD

GR - GRAB GR - GRAB

GR - GRAB

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GR - GRAB

Edit Check Errors
No errors Frequency of Analysis, and Sample Type

Comments

Attachments
No attachments
Report Last Saved By

BARDON, INC. (dba AGGREGATE INDUSTRIES)
User: sharon nogan@aggregate-us.com
Name: Sharon Hogan
E-Mail: sharon hogan@aggregate-us.com

Date/Time

2017-07-27 17:38 (Time Zone: -04:00)

Permit							
77	MDG491365	Permittee:	BARDON, INC. (dba AGGREGATE INDUSTRIES)	Facility:	ROCKVILLE QUARRY & READY MIX CONCRETE	IX CONCRETE	
Major:	N	Permittee Address:	6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT, MD 20850	Facility Location:	13900 PINEY MEETINGHOUSE ROAD MONTGOMERY COUNTY ROCKVILLE, MD 20850	JAD .	
Permitted Feature:	001 External Outfall	Discharge:	001-A 10-MM-1365				
Report Dates & Status							
Monitoring Period:	From 07/01/17 to 07/31/17	DMR Due Date:	10/28/17	Status:	NetDMR Validated		
Considerations for Form Completion	letion			The state of the s			
If, during the monitoring period, ph	H difference is not required to be repo	rted because samples meet limits, re	If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.				
Principal Executive Officer							
First Name:	Stephen	Title:	Vice President, General Manager	Telephone:	301-982-1400		
Last Name:	Ward						
No Data Indicator (NODI)		•					
Form NODI:							
Para	Monitoring Season Param.		Quantity or Loading	Quality or Concentration		i	
Code Name		Qualifier Value 1	Qualifier Value 2 Units Qualifier Value 1	Qualifier Value 2 Qualifier 2	Value 3	Units Ex Analysis	Туре
		Sample	* 6.9	u	6.9	12-SU 01/30 - Monthly	GR-GRAB
00400 pH	EG - Effluent Gross 0 -	Req.	>= 6 DAILY MN	â	8.5 DAILY MX	12-SU 0 01/30 - Monthly	GR-GRAB
		Value					
		Sample		. 7 =	7	19 - 01/30 - Monthly	GR - GRAB
00530 Solids, total suspended	EG - Effluent Gross 0 -	Permit Req.		AVG CH	60 DAILY MX	19 - 0 01/30 - Monthly	GR-GRAB
		NODI					
		Sample = 720000	= 720000 07 - gal/d			01/30 - Monthly	GR-GRAB
50050 Flow, in conduit or thru freatment	EG - Effluent Gross 0 -	Req. AVG	Reg Mon DAILY 07- MX gaid			0 01/30 - Monthly	GR-GRAB
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82214 pH change (cappe)		Permit	>= 0 DAILY MN	â	O DAII Y MY		
and the state of	Constant Greek	Value					0.000
		NODI	Period		9 - Conditional Monitoring - Not Required this Period		
If a parameter row does not contain	in any values for the Sample nor Effic	ent Trading then none of the following	ing fields will be submitted for that row I laiks Number of Evolutions 5	manager of Application and Sometic Time			
a parameter ton does not conta	in any values for the Sample for Chile	went trading, then none of the follow	" a parameter for the content of the	requency of Analysis, and Sample Type.			

E-Mail:

2017-10-27 14:06 (Time Zone: -04:00) richard.freedman@aggregate-us.com

Richard Freedman

E-Mail: User:

Sharon Hogan sharon.hogan@aggregate-us.com 2017-10-26 20:43 (Time Zone: -04:00) sharon.hogan@aggregate-us.com

Report Last Signed By Date/Time: No attachments Report Last Saved By

Attachments Comments No errors. Edit Check Errors

BARDON, INC. (dba AGGREGATE INDUSTRIES)

Permit #: MDG4 Major: No  Permitted Feature: 001  Permitted Feature: 5 tatus  Monitoring Period: Exterr  Report Dates & Status  Monitoring Period: From Completion  If, during the monitoring period, pH diffe  Principal Executive Officer  First Name: Steph  Last Name: Ward  No Date Indicator (NODI)  Form NODI: -	191365 Ial Outfall OB/01/17 to 08/31/17 rence is not required to	be reported be	Permittee: Permittee Address: Discharge: Discharge: DMR Due Date: ecause samples meel	idress: te:	BARDON, INC. (dba AGG 6401 GOLDEN TRIANGL GREENBELT, MD 20850 001-A 10-MM-1365 10/28/17 10/28/17 Vice President, General M	BARDON, INC. (dba AGGREGATE INDUSTRIES) 6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT, MD 20850 10/1-A 10-MM-1365 10/28/17 Vice President, General Manager	E, SUITE 400 or value.	S	is)	Facility Location:	Facility Location:  Facility Location:  Status:  Telephone:	Facility Location:  Facility Location:  Status:  Telephone:	Facility Location:  Facility Location:  Status:  Telephone:
If, during the monitoring period, Principal Executive Officer First Name: Last Name:	t, pH difference is not required to Stephen Ward	be reported be	Title:	s meet limits, re	port value as N/A Vice Presider	in space allocated f	or value.			Telephone:			
No Data Indicator (NODI)	Ward	100											
Form NODI:	1												
Code Name	Monitoring Season Location #	NOD!	Qualifier	Value 1	Quantity or Loading Qualifier Value 2	2 Units Qualifier	Ž.		Value 1		Value 1 Qualifier Value 2 Qualifier Value 3	Qualifier Value 2 Qualifier	Quality or Concentration  Qualifier Value 2 Qualifier Value 3 Units
оолоорн	EG - Effluent Gross 0	Permit Req. Value NODI	or 4 mit			¥ "	6.9	z	z	2 "		= 6.9 12-5J <= 8.5 DAILY MX 12-5J <sub>0</sub>	= 6.9 <= 8.5 DAILY MX
00530 Solids, lotal suspended	EG - Effluent Gross 0	Permit Req. Value NOOI	DE 4 P							a som	30 MO	13 = 13 myl. 30MO <= 60 DAILY MX myl. 0	13 = 13 myL.  20 MO <= 60 DAILY MX myL.  AVG myL.
50050 Flow, in conduit or thru treatment	nl EG - Efficient Gross 0 -	Sample Permit Req. Value NODI Sample		864000 = Req Mon MO AVG	864000 Req Mon DAILY MX	9al/d 1- 07- 1- 07-						•	01/30 - Monthly 0 01/30 - Monthly
82214 pH change [range] Submission Note	EG - Effluent Gross 0	Req. Value NODI	DI 4			¥	9 - Condition Period	onal Mo	IN onal Monitoring - Not Required This	ODALY MN  9 - Candillonal Monitoring - Not Required This Period	IN <= O DALLY MX 9 - Conditional Manitoring - Not Required This Period Period	ODALLY MX 12 - SU 9 - Conditional Monitoring - Not Required This Period	0 DAILY MX 9 - Conditional Monitoring - Not Required This Perfoot
If a parameter row does not con Edit Check Errors	ntain any values for the Sample	nor Effluent Tra	ading, then nor	ne of the following	ng fields will be sut	bmitted for that row:	Units, Numbe	o.	r of Excursions, Frequenc	r of Excursions, Frequency of Analysis, and Sample Typ	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row; Units, Number of Excursions, Frequency of Analysis, and Sample Type.	r of Excursions, Frequency of Analysis, and Sample Type.	r of Excursions, Frequency of Analysis, and Sample Type.

Comments No errors.

Attachments

Report Last Saved By

BARDON, INC. (dba AGGREGATE INDUSTRIES)

E-Mail: User: Name: Report Last Signed By Date/Time:

Name: User:

sharon.hogan@aggregate-us.com 2017-10-27 14:06 (Time Zone: -04:00) Sharon Hogan sharon.hogan@aggregate-us.com

2017-10-27 14:06 (Time Zone: -04:00) nchard.freedman@aggregate-us.com Richard Freedman

Edit Check Errors  No errors.  Comments  Attachments  Attachments  Report Last Saved By  BARDON, INC. (dba AGGREGATE INDUSTRIES)  User:  Name:  E-Mail:  Date/Time:  Report Last Signed By  User:  Name:  E-Mail:  Date/Time:	82214pH change [range] Submission Note If a parameter row does not o	50059 Flow, in conduit or thru treatment	00530 Solids, total suspended	00400рН	Code Name	Form NODI:	Last Name:	Principal Executive Officer	Monitoring Period: From Considerations for Form Completion	Permitted Feature: Report Dates & Status	Permit Permit #: Major:
EGATE INDUSTRIES)	EG - Effluent Grass ()	nent EG - Effluent Gross 0	EG - Effluent Gross 0	EG - Effluent Gross 0	Monitoring Season Location #	-	Stephen Ward	ğ	From 09/01/17 to 09/30/17 Completion	001 External Outfall	MDG491365 No
shan shan shan shan shan ficha fire a		1	ı	T.	n Param.			d to be repo	7		
sharon.hogan@aggn Sharon.hogan@aggn Sharon.hogan@aggn 2017-11-07 16:40 ( pifreedman Richard Freedman richard.freedman@aggn	Permit Req. Value NODI	Permit Req. Value NODI Sample	Sample Permit Req. Value NODI	Sample Permit Req. Value NODI			Title:	ned because	DMR	Disc	Perm
sharon.hogan@aggregate-us.com Sharon.hogan@aggregate-us.com Sharon.1-07 16:40 (Time Zone: -05:00) pifreedman Richard Freedman Richard Freedman richard.freedman@aggregate-us.com		864000 R#q Man MO AVG			Qualifier Value 1			samples meet limit	DMR Due Date:	Discharge:	Permittee: Permittee Address:
wing fields will be submitted		Reg Mon DAILY 0			antity or Loading Qualifier Value 2 2		Vice President, General Manager	, report value as N/A in spac	10/28/17	001-A 10-MM-1365	BARDON, INC. (dba 6401 GOLDEN TRU GREENBELT. MD 2
Refer Check Errors  No errors.  Comments  Attachments  Attachments  Report Last Saved By  BARDON, INC. (dba AGGREGATE INDUSTRIES)  Sharon.hogan@aggregate-us.com  Sharon.hogan@aggregate-us.com  Sharon.hogan@aggregate-us.com  Sharon.hogan@aggregate-us.com  Sharon.hogan@aggregate-us.com  Sharon.hogan@aggregate-us.com  2017-11-07 16:40 (Time Zone: -5:00)  Report Last Signed By  Order Chart Freedman  Richard Freedman  Richard Freedman  Richard Freedman  Ander Zone: -45:00)	>= 0 DAILY MN 9-Conditional Monitoring - Not Required This Period	or.	,	>= 6.5	Units Qualifier Value 1		eral Manager	se allocated for value.			BARDON. INC. (dba AGGREGATE INDUSTRIES) 6401 GOLDEN TRIANGLE DRIVE, SUITE 400 GREENBELT. MD 20850
of Analysis, and Sample Type	â		= 12 = 30 MO <= AVG	A "	Quality or Concentration Qualifier Value 2 Qualifier		Telephone:		Status:		Facility: Facility Location:
	DAILY MX     P - Conditional Monitoring - Not Required This Period		12 60 DAILY MX	8.5 DAILY MX	ler Yalue 3		301-982-1400		NetDMR Validated		ROCKVILLE QUARRY & READY MIX CONCRETE 13900 PINEY MEETINGHOUSE ROAD ROCKVILLE, MD 20850
	12-SU	0	19- 19- 19- 19-	12-SU 12-SU 0	Units						ROAD ROAD
	01/30 - Monthly	01/30 - Monthly 01/30 - Monthly	01/30 - Monthly 01/30 - Monthly	01/2	# of Frequency of Ex Analysis						RETE
	GR - GRAB	GR - GRAB	GR - GRAB	െ	Sample Type						

## RECEIVED

## DEC 1 3 2017

Environmental Protection
December 11, 2017

Particulate Control Plan – Travilah Quarry

Aggregate Industries produces high quality construction aggregates for the Washington Metropolitan area. As part of our ongoing commitment to the environment and the neighboring community the Travilah Quarry has instituted a program that uses an Environmental Management System that tracks environmental performance standards. The Environmental Management System assists quarry site management in tracking performance and achieving environmental performance goals. As part of the overall goals for the Travilah Quarry particulate control measures are reviewed periodically and improvements are made to achieve higher standards over time. The following is a listing of the measures utilized at the quarry to address particulate matter suppression.

The main crushing and screening operations are conducted down in the quarry approximately 200 feet below the natural ground level. The crushing and screening operations being conducted below natural grade help to reduce the noise, vibration, and particulate matter from migrating outside of the quarry boundary. The primary crusher is located an additional 25 feet below the quarry process floor area to further mitigate these same environmental concerns. The primary crusher reduces the size of the blasted aggregate material to 5-8 inches in size. As the aggregate material flows from the primary crusher through the plant process a wet suppression system is employed to minimize particulate emissions at the transfer points and processing locations. Wet suppression is a system that applies a controlled water spray that adheres to the crushed aggregate materials to reduce particulate emissions during the material transfer and crushing process.

The processing plant utilizes a secondary and tertiary crushing circuit that further reduces the size of the processed materials to the specification or required sizes for the production of the aggregates. Both of these crushing circuits employ pneumatic dust collection systems to control particulate matter from the impact of the crushing. The screening facility is a fully enclosed building that also utilizes a pneumatic dust collection system for particulate matter control. The aggregate material is then conveyed to the finishing plant which rinses the material prior to being conveyed to the stockpile areas located on the upper rim of the quarry. Finished material stockpiles are watered as required to minimize fugitive dust emissions. As described above each step of the process flow throughout the plant has a particulate control measure to minimize particulate matter emissions.

The internal haul roads of the quarry are watered during operating hours to minimize fugitive emissions from the vehicles traveling within the quarry boundaries. In addition, to further enhance the cleanliness of the roadways outside of the quarry boundaries each vehicle prior to exiting the quarry must drive through the truck wash facility.

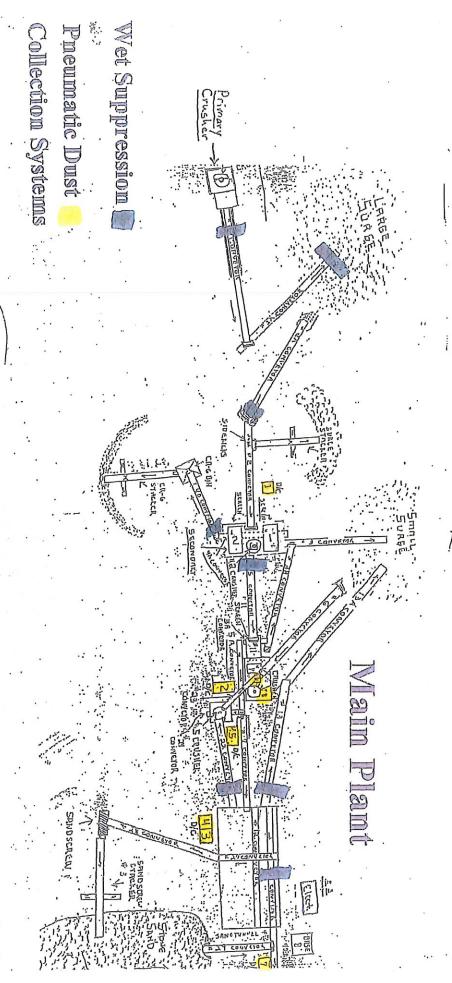
The truck wash facility is a high pressure wash system that removes debris from the wheels, truck cab, dump body, and the undercarriage of each vehicle prior to approaching the scalehouse facility and exiting the site.

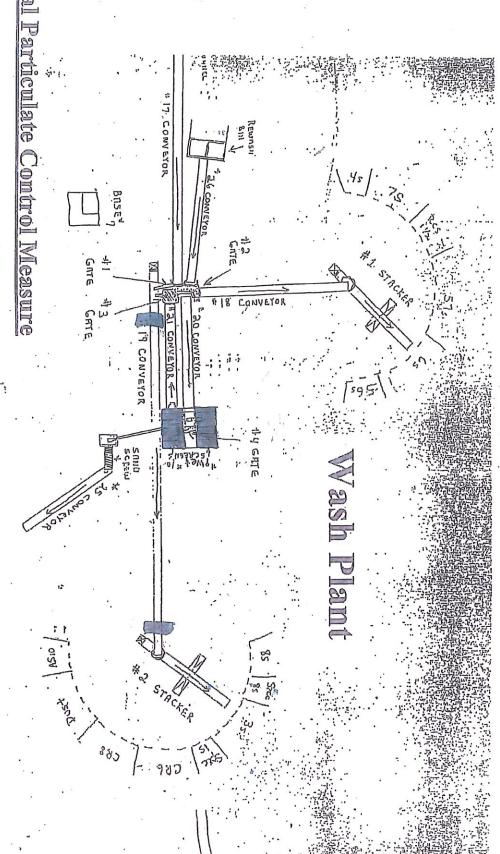
The above control measures are used internal to the quarry operations. Outside of the gates of the quarry a commercial sweeping company regularly maintains the cleanliness of Piney Meetinghouse Road and Shady Grove Road. The sweeping of the public roads on a weekly basis helps maintain a clean and safe environment for all of the neighboring communities surrounding the quarry operation.

RECEIVED

# Travilah Owally

# Particulate Contro





areas by water truck to reduce fugitive dust Wetting of internal haul road system and stockpile



DATE(MM/DD/YYYY) 12/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER AON Risk Services Southwest, Inc. Houston TX Office 5555 San Felipe Suite 1500 Houston TX 77056 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122  E-MAIL ADDRESS:  FAX (A/C. No.): (800) 363-03	.05
ACUSTON 17 77030 03A	INSURER(S) AFFORDING COVERAGE	NAIC#
INSURED PI	INSURER A: ACE American Insurance Company	22667
Aggregate Industries Management, Inc.	INSURER B: American Guarantee & Liability Ins Co	26247
Aggregate Industries Management. Inc.  6211 Ann Arbor Road Dundee MI 48131 USA	INSURER C:	
itoli	INSURER D:	
Elm.	INSURER E:	
•	INSURER F:	1 2 1 5 1

COVERAGES

CORD

CERTIFICATE NUMBER: 570069683355

**REVISION NUMBER:** 

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requeste Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER		POLICY EXP (MM/DD/YYYY)	LIMIT	S
Α	X COMMERCIAL GENERAL LIABILITY			HD0G46769545	12/31/2017	10/01/2018	LAGITOGGGINENGE	\$2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$2,000,000
ΙÍ							MED EXP (Any one person)	\$50,000
li							PERSONAL & ADV INJURY	\$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$4,000,000
	POLICY X PRO-						PRODUCTS - COMP/OP AGG	\$4,000,000
	OTHER:							
Α	AUTOMOBILE LIABILITY			ISA-H25155658	12/31/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
	X ANY AUTO						BODILY INJURY ( Per person)	
	OWNED SCHEDULED			8			BODILY INJURY (Per accident)	
	AUTOS ONLY HIRED AUTOS ONLY AUTOS NON-OWNED AUTOS ONLY				-1		PROPERTY DAMAGE (Per accident)	
	NOTES ONE!							
В	X UMBRELLA LIAB X OCCUR			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE	\$10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$10,000,000
	DED RETENTION							
Α	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WLRC64620289	10/01/2017	10/01/2018	X PER STATUTE OTH-	
	ANY PROPRIETOR / PARTNER / EXECUTIVE	N/A		WC (AOS) SCFC64620277	10/01/2017	10/01/2018	E.L. EACH ACCIDENT	\$1,000,000
	(Mandatory in NH)	N/A		WC (WI)			E.L. DISEASE-EA EMPLOYEE	\$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below			2000000		E	E.L. DISEASE-POLICY LIMIT	\$1,000,000
								1.1

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE

Montgomery County Department of Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA

AUTHORIZED REPRESENTATIVE

Aon Risk Services Southwest, Inc.

AGENCY CUSTOMER ID: 570000035837

LOC #:



## ADDITIONAL REMARKS SCHEDULE

Page \_ of \_

			rage _ or _
AGENCY		NAMED INSURED	
Aon Risk Services Southwest, Inc.		Aggregate Industries Management, Inc.	
POLICY NUMBER			
See Certificate Number: 570069683355			
CARRIER	NAIC CODE		
See Certificate Number: 570069683355		EFFECTIVE DATE:	

## ADDITIONAL REMARKS

# Additional Named Insureds Aggregate Industries - Northeast Region, Inc. Tiger Minimix, Inc. Aggregate Industries - MWR, Inc. Kost, Inc. Super Concrete Corporation Bardon, Inc. D/B/A Aggregate Industries - Mar Aggregate Industries Land Company, Inc. Aggregate Industries - WCR, Inc. Aggregate Industries - WCR, Inc. Aggregate Industries - SWR, Inc.

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 12/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in the conference of the policy of such endorsement (s).

Aon Risk Services Southwest, Inc. Houston TX Office 5555 San Felipe Suite 1500 Houston TX 77056 USA

INSURED

Aggregate Industries Management, Inc. 6211 Ann Arbor Road Dundee MI 48131 USA

NAMES			
(A.O. No. Ext):	(866) 283-7122	FAX (A/C. No.): (800) 363-	0105
ADDRESS:			
	INSURER(S) AFFORDING	G COVERAGE	NAIC#
INSURER A:	ACE American Insur	ance Company	22667
INSURER B:	American Guarantee	& Liability Ins Co	26247
INSURER C:		n Y 1 1 1 1	
INSURER D:	the second second	10	16.
INSURER E:	7.17	A	
INSURER F:			1.1 31

COVERAGES

CORD

CERTIFICATE NUMBER: 570069683355

**REVISION NUMBER:** 

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIÉS, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR		TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s
Α	Х	COMMERCIAL GENERAL LIABILITY			HD0G46769545	12/31/2017	10/01/2018	EACH OCCURRENCE	\$2,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$2,000,000
					*			MED EXP (Any one person)	\$50,000
								PERSONAL & ADV INJURY	\$2,000,000
	GEN	L'LAGGREGATE LIMITAPPLIES PER:						GENERAL AGGREGATE	\$4,000,000
		POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$4,000,000
1		OTHER:							i i
Α	AUT	OMOBILE LIABILITY			ISA-H25155658	12/31/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
1	х	ANYAUTO						BODILY INJURY ( Per person)	T I
1 4		OWNED SCHEDULED						BODILY INJURY (Per accident)	
		AUTOS ONLY HIRED AUTOS ONLY AUTOS NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	1
		, Acres enter		9					
В	Х	UMBRELLA LIAB X OCCUR			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE	\$10,000,000
,		EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$10,000,000
		DED RETENTION							
Α		RKERS COMPENSATION AND			WLRC64620289	10/01/2017	10/01/2018	X PER OTH-	
Α	ANY	PLOYERS' LIABILITY ' PROPRIETOR / PARTNER / EXECUTIVE N			WC (AOS) SCFC64620277	10/01/2017	10/01/2018	E.L. EACH ACCIDENT	\$1,000,000
^	(Ma	ndatory in NH)	N/A		WC (WI)	10/01/201/	10/01/2010	E.L. DISEASE-EA EMPLOYEE	\$1,000,000
	If ye	es, describe under SCRIPTION OF OPERATIONS below			3			E.L. DISEASE-POLICY LIMIT	\$1,000,000
									1

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

**CERTIFICATE HOLDER** 

CANCELLATION

AUTHORIZED REPRESENTATIVE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE

Montgomery County Department of Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA

Aon Risk Services Southwest, Inc

AGENCY CUSTOMER ID: 570000035837

LOC #:



## ADDITIONAL REMARKS SCHEDULE

Page of

		WING COLLEGE	rage _ or _
AGENCY		NAMED INSURED	
Aon Risk Services Southwest, Inc.		Aggregate Industries Management, Inc.	
POLICY NUMBER			
See Certificate Number: 570069683355			
CARRIER	NAIC CODE		
See Certificate Number: 570069683355		EFFECTIVE DATE:	

## ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

# Additional Named Insureds Aggregate Industries - Northeast Region, Inc. Tiger Minimix, Inc. Aggregate Industries - MWR, Inc. Kost, Inc. Super Concrete Corporation Bardon, Inc. D/B/A Aggregate Industries - Mar Aggregate Industries Land Company, Inc. Aggregate Industries - WCR, Inc. Aggregate Industries - WCR, Inc. Aggregate Industries - SWR, Inc.

## CORD

## DEC 1 3 2017 CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 12/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS CHOOK THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

continuate account rights to the continuate notati in hea or cach chartering.							
PRODUCER		CONTACT NAME:					
Aon Risk Services Southwest, I Houston TX Office	nwest, Inc.	PHONE (A/C. No. Ext):	(866) 283-7122 FAX (A/C. No.): (800) 363-0105			.05	
5555 San Felipe Suite 1500		E-MAIL ADDRESS:		- 0			
Houston TX 77056 USA			INSURER(S) AFFORDING COVERAGE			NAIC#	
INSURED		INSURER A:	ACE A	American Insurance	Company	22667	
Aggregate Industries Managemen	t, Inc.	INSURER B:	Ameri	ican Guarantee & L	iability Ins Co	26247	
6211 Ann Arbor Road Dundee MI 48131 USA		INSURER C:					
		INSURER D:					
		INSURER E:					
		INSURER F:					
OOVED LOED	OFFICIOATE MUMBER, C700004C00	70		DEVUOLON	AULBIDED.		

COVERAGES CERTIFICATE NUMBER: 570069450270

REVISION NUMBER

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limite chown are as requests

INSR LTR	TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER	POLICY EFF	POLICY EXP (MM/DD/YYYY)		s
A	X COMMERCIAL GENERAL LIABILITY	11100	****	HDOG27871914	10/01/2017	10/01/2018	EACH OCCURRENCE DAMAGE TO RENTED	\$2,000,000
	CLAIMS-MADE X OCCUR						PREMISES (Ea occurrence) MED EXP (Any one person)	\$2,000,000 \$50,000
				*			PERSONAL & ADV INJURY	\$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$4,000,000
	POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$4,000,000
Α	AUTOMOBILE LIABILITY			ISA-H09064102 Auto (AOS)	10/01/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
	X ANY AUTO			, Auto (A03)			BODILY INJURY ( Per person)	
	OWNED SCHEDULED AUTOS ONLY						BODILY INJURY (Per accident)	
	HIRED AUTOS NON-OWNED ONLY AUTOS ONLY						PROPERTY DAMAGE (Per accident)	
В	X UMBRELLA LIAB X OCCUR			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE	\$10,000,000
	EXCESS LIAB CLAIMS-MADE			34			AGGREGATE	\$10,000,000
	DED RETENTION	1						
Α	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WLRC64620289	10/01/2017	10/01/2018	X PER STATUTE OTH-	H -
А	ANY PROPRIETOR / PARTNER / EXECUTIVE	N/A		WC (AOS) SCFC64620277	10/01/2017	10/01/2018	E.L. EACH ACCIDENT	\$1,000,000
3530	OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	IV/A		MC (MI)	,,		E.L. DISEASE-EA EMPLOYEE	\$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE-POLICY LIMIT	\$1,000,000
			fig.	¥				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

**CERTIFICATE HOLDER** 

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

Montgomery County Department of

AUTHORIZED REPRESENTATIVE

Aon Risk Services Southwest Inc.

Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA

**AGENCY CUSTOMER ID: 570000035837** 

LOC #:



## ADDITIONAL REMARKS SCHEDULE

Page \_ of .

		rage _ or _
AGENCY	NAMED INSURED	
Aon Risk Services Southwest, Inc.	Aggregate Industries Management, Inc.	
POLICY NUMBER		
See Certificate Number: 570069450270		
CARRIER NAIC CO	DE	
See Certificate Number: 570069450270	EFFECTIVE DATE:	_

## ADDITIONAL REMARKS

# THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM, FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance Additional Named Insureds Aggregate Industries - Northeast Region, Inc. Tiger Minimix, Inc. Aggregate Industries - MWR, Inc. Kost, Inc. Super Concrete Corporation Bardon, Inc. D/B/A Aggregate Industries - Mar Aggregate Industries Land Company, Inc. Aggregate Industries - WCR, Inc. Aggregate Industries Management, Inc. Aggregate Industries - SWR, Inc. (D/B/A Frehner Construction Company) Meyer Material Company, LLC Lattimore Materials Corp.

## RECEIVED

DEC 1 3 2017

**Environmental Protection** 

Bond Number 929517725

# PERFORMANCE BOND FOR QUARRY LICENSE

KNOW ALL MEN BY THESE PRESENTS, THAT WE Bardon, Inc. dbs
Aggregate Industries hereinafter called Permittee, and
Western Surety Company a corporation incorporated
Western Surety Company  under the laws of the State of South Dakota  and authorized to do
business in the State of Maryland, hereinaiter caned Surety are new and
firmly bound unto Montgomery County, Maryland, in the full an just sum of
One Hundred Thousand Seven Hundred Dollars, lawful money of the United States
of America, to be paid to the said Montgomery County, Maryland, or its assigns,
to which payment well and truly to be made and done, we bind ourselves, our
heirs, executors, administrators and successors, jointly and severally, firmly
by these present.
***thirty Five and no/100 (\$100,735.00)
1 1 1 de die Cale day of Tonyone
Sealed with our respective seals and dates this 6th day of January
20 <u>11</u> .
The state of the Montgomery
WHEREAS, the above named Permittee has received approval by Montgomery
County, Maryland, bearing date of on his application
No. for a license from Montgomery County for the operation of a quarry
located at: 13900 Piney Meeting House Road, Rockville
within Travilah Quarry Subdivision in Montgomery County
Maryland, as more fully described in the approved application no.

WHEREAS, it is a condition of the issuance of the quarry license by the Department of Environmental Protection of Montgomery County, Maryland, acting for and on behalf of Montgomery County, these presents should be executed.

NOW THEREFORE, the condition of this obligation is such that the above named permittee shall in all respects comply with all the applicable terms, conditions, provisions and requirements of Chapter 38, title "QUARRY", Montgomery County Code, 1984, as amended, and the term and conditions upon which the application has been approved, and which terms and conditions will be incorporated in the license when issued, and shall fully meet and faithfully perform his, their or its obligations in the operation of the quarry for which the license is issued, and shall save harmless Montgomery County, Maryland, from any expense incurred through the failure to the Permittee, his agents and employees to operate the quarry as required by the Chapter 38, Montgomery County Code 1984, as amended, growing out of the negligence of the Permittee or his agents, or employees. This obligation shall remain in full Force and affect pursuant to the provision of Chapter 38, Montgomery County Codes, 1984, as amended.

The surety may at any time terminate its liability by giving sixty (60) days written notice to the Obligee, and the Surety shall not be Liable for any default after such sixty day notice period, except for Defaults occurring prior thereto.

CCE/PP-1408p

ATTEST:	Bardon, Inc. dba Aggregate Industries Signature - Owner/Authorized Agent
Miles suapry	(Corporation name, if Applicable)
Corp. Sec. or Asst. Sec. (Signature)	Corp. Pres. or Vice President. (Signature)
ALAM PAPERMY Print Name	Print Name (Corp. Pres., Vice Pres. or Owner/Authorized Agent
Witness	Western Surety Company Print Name (Bonding Company)
Countersigned by:	Attorney-in-Fact (Signature)
No Longer Required	Stephanie Garahana
	Print Name

# Western Surety Company

#### POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Mark A Latini, Craig B Hurst, Kevin W Andrews, Jeffery G Shields, Wm. Scott Shields, Guyanne L Hansen, Gayle Wood, Donald R Mayer, Stephanie H Garahana, Tracy A Mervin, Individually

of Sandy, UT, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

#### - In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 17th day of February, 2010.

VV

WESTERN SURETY COMPANY

Paul & Bruflat, Senior Vice President

State of South Dakota County of Minnehaha

S

On this 17th day of February, 2010, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

November 30, 2012

D. KRELL

NOTARY PUBLIC SEAL SOUTH DAKOTA

Cleb Field

D. Krell, Notary Public

#### CERTIFICATE



WESTERN SURETY COMPANY

J. Nelson, Assistant Secretary

# Aggregate Industries

## Rockville Quarry

### Vibration and Air Overpressure Summary June 01, 2016 to November 30, 2017

RECEIVED
DEC 1 3 2017

Environmental Protection



Sauls Seismic, LLC 47 W. Jubal Early Drive, Suite 100 Winchester, Virginia 22602

> Phone: 614-771-4855 Fax: 540-535-2206

#### VIBRATION AND AIR OVERPRESSURE SUMMARY

Seismic research during the past forty years has established criteria which relate the occurrence of structural damage to certain levels of ground motion. Vibration damage criteria are now commonly expressed in terms of particle velocity, the rate of ground movement at a given point produced by ground vibrations as they pass that point.

Federal guidelines suggest limiting blast vibrations with a frequency of 30 hertz or greater to 2.0 inches/second of peak particle velocity. Additionally, air overpressure should be limited to 133 decibels.

#### Seismograph Results

For the period beginning June 01, 2016, and ending November 30, 2017, the maximum peak particle velocity was **0.62 inches/second with a corresponding frequency of 32.0 Hz**. This event was recorded at the BOSWELL seismograph location. The blast associated with the maximum recorded vibration occurred on March 13, 2017 at 14:14.

The maximum air overpressure, which occurred on September 16, 2016 at 11:29, was **131 dBL**. The event with which this level is associated was recorded at the WEST FENCE – VALLEY OAK CIRCLE seismograph location.

#### Seismograph Records

A copy of the seismograph records for blast related events has been attached to this summary. You will also find a report consisting of a summary and graphical representation of the vibration results.

Should you have any questions regarding this report or the results herein, please do not hesitate to contact me at my office.

Sincerely,

Sauls Seismic, LLC

Derek Bowen

Derek Bowen

Regional Manager

## Aggregate Industries Rockville Quarry BOSWELL 39.07248, -77.22470

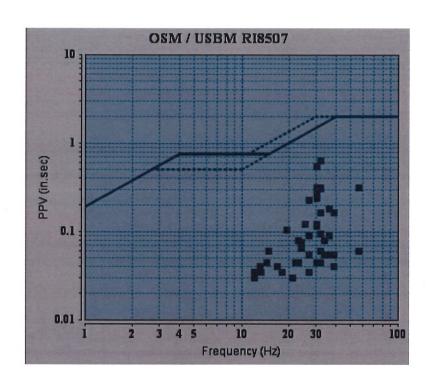
#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV	Freq	Overnmessume
		1	Shot Bocation	Distance	Distance	Max IDS	(in/s)	(Hz)	Overpressure (dBL)
24	06/01/2016	11:52	Level 5	2401	107.0	504	0.04	17.0	109
25	06/06/2016		Level 5	2553	99.4	660	0.04	26.9	116
26	06/10/2016		Level 5	2481	76.2	1062	0.04	13.4	116
27	06/16/2016	10:32	Level 5	2569	78.0	1086	0.02	0.0	119
28	06/22/2016		Level 5	2587	68.7	1417	0.04	13.1	119
29	06/27/2016		Level 4	2583	186.0	193	< 0.02	-	< 115
30	07/01/2016		Level 5	2713	107.8	634	0.03	12.1	120
31	07/11/2016		Level 5	2465	66.8	1361	0.04	14.6	115
32	07/29/2016		Level 5	2599	87.3	887	0.08	24.3	115
33	08/09/2016	11:12	Level 9	1999	66.1	916	0.08	23.2	122
34	08/12/2016	11:31	level 5	2567	100.2	656	0.01	0.0	116
35	08/18/2016	11:46	Level 5	2342	90.0	677	0.04	12.1	108
36	08/23/2016	13:07	Level 9	1978	56.7	1219	0.10	19.6	124
37	08/26/2016	14:53	Level 5	2626	83.3	995	0.06	36.5	117
38	08/31/2016	11:43	Level 9	2060	59.0	1220	0.06	15.0	121
39	09/06/2016	10:40	Level 5	2597	96.8	720	0.04	22.2	119
40	09/12/2016	12:56	Level 5	2660	79.5	1119	0.01	0.0	118
41	09/16/2016	11:33	Level 5	2577	87.0	878	0.06	26.9	118
42	09/22/2016	13:58	Level 5	2678	88.0	927	0.03	21.3	116
43	09/30/2016	12:44	Level 5	2754	88.8	963	0.04	23.2	116
44	10/05/2016	11:07	Level 9	2042	95.4	458	0.04	32.0	115
45	10/10/2016	12:20	Level 5	2796	67.9	1696	0.06	39.3	116
47	10/19/2016	11:46	Level 5	2725	64.9	1764	0.06	34.1	115
48	10/20/2016	10:59	Level 9	2006	95.8	439	0.04	39.3	117
49	10/25/2016	12:54	Level 5	2776	66.9	1724	0.06	24.3	117
50	10/31/2016	10:35	Level 5	2295	179.3	164	< 0.02	- 1	< 115
51	11/10/2016	12:57	Level 9	2062	86.9	564	0.04	18.2	118
52	11/21/2016	10:42	Level 9	891	44.2	407	0.30	32.0	109
53	12/05/2016	14:24	Level 9	981	46.1	453	0.32	56.8	111
54	12/13/2016	11:30	Level 9	1855	83.0	500	0.10	32.0	116
1	01/05/2017	11:25	Level 9	957	41.4	536	0.31	30.1	115
2		11:26	Level 9	2098	96.6	472	0.04	30.1	117
3	02/16/2017	13:56	Level 9	2125	84.1	638	0.09	36.5	124
4	02/27/2017	13:51	Level 9	2125	62.9	1141	0.09	26.9	115
	03/07/2017		Level 9	1968	59.5	1094	0.06	56.8	118
6	03/13/2017	14:14	Level 9	1010	40.3	627	0.62	32.0	113
7	03/20/2017	12:56	Level 9	1524	50.9	898	0.08	34.1	113
8	03/29/2017	15:40	Level 9	969	47.2	422	0.22	26.9	108
	04/06/2017		Level 9	1725	54.0	1020	0.12	25.6	112
10	04/13/2017	13:33	Level 9	1601	70.8	511	0.12	30.1	113

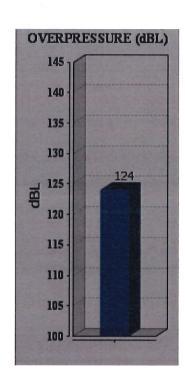
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:58	Level 9	1536	60.8	639	0.16	39.3	113
13	04/27/2017	11:37	Level 9	1479	68.1	472	0.16	32.0	101
12	05/02/2017	11:24	Level 9	1019	36.5	780	0.55	30.1	107
14	05/05/2017	10:35	Level 9	1061	102.2	108	0.12	30.1	102
15	05/11/2017	11:40	Level 9	1366	56.5	584	0.18	36.5	108
16	05/16/2017	11:22	Level 9	1089	39.3	769	0.28	30.1	111
17	05/19/2017	11:48	Level 9	1104	41.4	712	0.32	32.0	109
18	05/24/2017	12:04	Level 9	1113	45.2	608	0.24	30.1	113
19	05/30/2017	11:44	3B	2288	98.2	543	0.06	32.0	102
	•					MAX	0.62 (	(in/s)	124 (dBL)

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
20	06/02/2017	11:37	Level 9	1157	48.1	580	0.24	32.0	115
21	06/06/2017	13:01	Level 3B	2204	60.5	1327	0.06	24.3	107
22	06/09/2017	11:23	Level 9	1293	53.1	592	0.22	30.1	113
23	06/14/2017	09:28	Level 3B	2123	95.0	500	0.03	64.0	104
24	06/21/2017	12:58	Level 3B	2100	66.4	1000	0.04	39.3	108
25	06/22/2017	11:30	Level 9	1915	94.5	411	0.04	46.5	126
26	06/28/2017	09:43	Level 3B	2088	89.9	540	0.03	30.1	102
28	07/05/2017	11:49	3B	2056	92.8	491	0.02	14.2	104
29	07/11/2017	11:47	3B	2034	90.8	502	< 0.02	1	< 115
30	07/14/2017	14:03	Level 9	1155	44.4	678	0.24	18.9	111
31	07/21/2017	10:37	Level 9	1261	50.3	629	0.10	46.5	114
32	07/28/2017	10:23	Level 9	1367	53.8	645	0.10	36.5	119
34	08/02/2017	11:34	Level 9	1290	56.7	519	0.08	32.0	119
35	08/07/2017	14:27	Level 9	1424	64.8	484	0.08	32.0	116
27	08/09/2017	13:35	Level 9	1970	187.0	111	0.04	46.5	101
33	08/11/2017	13:38	Level 3B	1917	129.0	221	< 0.02	-	< 115
36	08/15/2017	10:47	Level 9	1483	63.4	547	0.08	32.0	117
37	08/17/2017	11:04	Level 3B	1973	77.2	653	0.09	30.1	106
38	08/21/2017	12:55	Level 9	2000	103.3	375	0.08	19.6	108
40	08/25/2017	12:14	Level 3B	1930	84.9	517	0.04	34.1	107
41	08/28/2017	11:42	Level 3B	1948	72.8	716	0.09	32.0	106
42	09/01/2017	11:43	Level 9	1936	99.7	377	0.06	25.6	109
43	09/07/2017	13:04	Level 9	1895	166.3	130	0.05	26.9	100
44	09/11/2017	11:12	Level 10	2015	81.8	607	0.10	25.6	107
45	09/14/2017	10:38	Level 10	1838	75.9	586	0.18	23.2	108
46	09/19/2017	11:23	Level 10	1916	78.4	597	0.12	25.6	110
47	09/25/2017	11:42	Level 10	1885	81.6	534	0.09	34.1	106
48	09/28/2017	14:02	Level 10	1841	77.0	572	0.12	24.3	107
49	10/06/2017	12:04	Level 10	1775	86.1	425	0.11	23.2	101
50	10/11/2017	10:38	Level 10	1885	75.0	632	0.06	13.8	109
51	10/16/2017	11:49	Level 10	1690	72.9	538	0.10	36.5	110
52	10/19/2017	10:36	Level 10	1640	68.7	571	0.08	23.2	113
53	10/24/2017	12:01	Level 10	2021	85.1	564	0.08	24.3	110

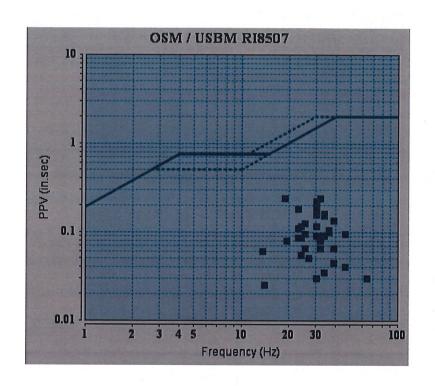
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
54	10/30/2017	12:27	Level 10	1940	78.8	606	0.06	32.0	116
55	11/03/2017	12:58	Level 10	1734	72.1	579	0.06	39.3	114
56	11/08/2017	12:37	Level 10	1638	71.3	528	0.12	30.1	110
57	11/13/2017	10:35	Level 10	1592	63.3	633	0.16	30.1	112
58	11/16/2017	11:08	Level 10	1569	63.8	605	0.16	34.1	108
59	11/21/2017	10:41	Level 10	1519	64.5	555	0.16	30.1	108
60	11/28/2017	11:40	Level 10	1486	60.8	599	0.15	34.1	108
						MAX	0.24 (	in/s)	126 (dBL)

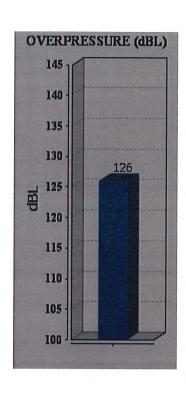
Aggregate Industries Rockville Quarry June, 2016 – May, 2017 BOSWELL 39.07248, -77.22470





## Aggregate Industries Rockville Quarry June, 2017 – November, 2017 BOSWELL 39.07248, -77.22470





## Aggregate Industries Rockville Quarry PINEY MEETINGHOUSE 39.07572, -77.22272

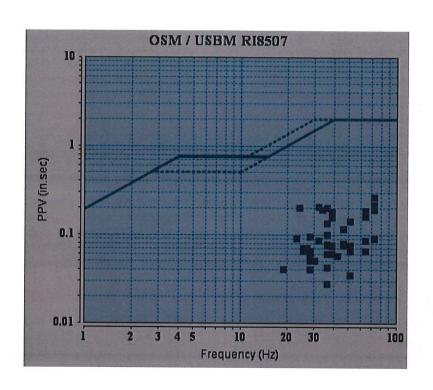
#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV	Freq	Overpressure
					Distance		(in/s)	(Hz)	(dBL)
24	06/01/2016	11:51	Level 5	1634	72.8	504	0.10	28.4	110
25	06/06/2016	11:01	Level 5	1821	70.9	660	0.06	39.3	111
26	06/10/2016	12:59	Level 5	1692	51.9	1062	0.06	64.0	114
27	06/16/2016	10:31	Level 5	1824	55.4	1086	0.08	64.0	115
28	06/22/2016	14:01	Level 5	1779	47.3	1417	0.14	36.5	115
29	06/27/2016	13:02	Level 4	1721	123.9	193	0.04	51.2	105
30	07/01/2016	10:34	Level 5	1882	74.8	634	0.06	28.4	118
31	07/11/2016	14:07	Level 5	1637	44.4	1361	0.20	32.0	112
32	07/29/2016		Level 5	1712	57.5	887	0.14	51.2	117
33	08/09/2016	11:10	Level 9	2190	72.4	916	0.07	26.9	114
34	08/12/2016	11:30	level 5	1786	69.7	656	0.08	32.0	112
35	08/18/2016	11:45	Level 5	1455	55.9	677	0.06	28.4	106
36	08/23/2016	13:05	Level 9	2194	62.8	1219	0.09	23.2	120
37	08/26/2016	14:51	Level 5	1709	54.2	995	0.19	73.1	115
38	08/31/2016	11:41	Level 9	2221	63.6	1220	0.07	26.9	116
39	09/06/2016		Level 5	1676	62.5	720	0.22	73.1	114
40	09/12/2016		Level 5	1751	52.4	1119	0.08	36.5	114
41	09/16/2016		Level 5	1638	55.3	878	0.20	24.3	115
42	09/22/2016	13:56	Level 5	1726	56.7	927	0.09	73.1	116
43	09/30/2016	12:42	Level 5	1777	57.3	963	0.16	64.0	114
44	10/05/2016	11:05	Level 9	1955	91.4	458	0.05	30.1	112
45	10/10/2016	12:18	Level 5	1809	43.9	1696	0.16	39.3	112
47	10/19/2016	11:46	Level 5	1702	40.5	1764	0.18	64.0	113
48	10/20/2016	10:59	Level 9	2027	96.7	439	0.04	18.9	116
49	10/25/2016	12:54	Level 5	1786	43.0	1724	0.26	73.1	116
50	10/31/2016	10:35	Level 5	1772	138.4	164	< 0.02	-	< 115
51	11/10/2016	12:56	Level 9	2024	85.2	564	0.08	51.2	112
52	11/21/2016	10:42	Level 9	1267	62.8	407	0.12	46.5	108
53	12/05/2016	14:23	Level 9	1385	65.1	453	0.19	34.1	107
54	12/13/2016	11:29	Level 9	2101	94.0	500	0.06	51.2	112
1	01/05/2017	11:24	Level 9	1244	53.8	536	0.16	39.3	113
2	02/08/2017	11:26	Level 9	2197	101.1	472	0.04	28.4	114
3	02/16/2017	13:56	Level 9	2257	89.4	638	0.08	39.3	119
4	02/27/2017	13:52	Level 9	2376	70.3	1141	0.08	46.5	114
5	03/07/2017	13:36	Level 9	2237	67.6	1094	0.08	46.5	113
6	03/13/2017	14:15	Level 9	1445	57.7	627	0.20	36.5	112
7	03/20/2017	12:56	Level 9	1832	61.1	898	0.06	51.2	111
8	03/29/2017	15:41	Level 9	1369	66.7	422	0.05	28.4	108
9	04/06/2017	13:51	Level 9	2071	64.9	1020	0.04	36.5	119
10	04/13/2017	13:33	Level 9	1949	86.3	511	0.06	42.6	114

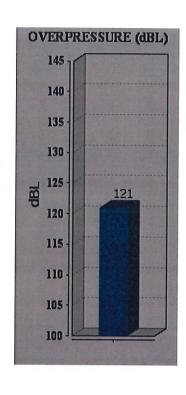
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:58	Level 9	1952	77.2	639	0.06	36.5	110
13	04/27/2017	11:37	Level 9	1896	87.3	472	0.07	25.6	101
12	05/02/2017	11:23	Level 9	1444	51.7	780	0.16	39.3	107
14	05/05/2017	10:35	Level 9	1518	146.1	108	0.03	36.5	99
15	05/11/2017	11:40	Level 9	1806	74.7	584	0.08	36.5	121
16	05/16/2017	11:22	Level 9	1554	56.1	769	0.07	39.3	112
17	05/19/2017	11:47	Level 9	1586	59.4	712	0.10	36.5	109
18	05/24/2017	12:04	Level 9	1609	65.3	608	0.06	25.6	98
19	05/30/2017	11:44	3B	1313	56.4	543	0.18	39.3	100
	5			•		MAX	0.26 (	in/s)	121 (dBL)

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/a)	Freq	Overpressure
20	06/02/2017	11.27	Level 9	1661		500	(in/s)	(Hz)	(dBL)
21			Level 3B	10500 0	69.0	580	0.09	36.5	113
22		100000000000000000000000000000000000000		1241	34.1	1327	0.18	36.5	110
23	06/09/2017		Level 9	1761	72.4	592	0.08	36.5	114
24	06/21/2017		Level 3B	1196	53.5	500	0.16	51.2	108
25	06/21/2017		Level 3B	1141	36.1	1000	0.22	42.6	110
			Level 9	1817	89.7	411	0.04	17.0	124
26	06/28/2017		Level 3B	1116	48.0	540	0.20	56.8	108
28	07/05/2017		3B	1192	53.8	491	0.22	39.3	99
29	07/11/2017		3B	1177	52.5	502	0.14	39.3	110
30	07/14/2017		Level 9	1717	66.0	678	0.09	34.1	112
31	07/21/2017		Level 9	1844	73.5	629	0.05	64.0	113
32	07/28/2017		Level 9	1851	72.9	645	0.12	36.5	111
34	08/02/2017		Level 9	1746	76.7	519	0.04	30.1	114
35	08/07/2017		Level 9	1779	80.9	484	0.04	46.5	111
27		13:35	Level 9	1961	186.1	111	0.04	39.3	103
33	08/11/2017	100000000000000000000000000000000000000	Level 3B	1088	73.2	221	0.11	46.5	104
36	08/15/2017		Level 9	1827	78.1	547	0.04	25.6	103
37	08/17/2017		Level 3B	988	38.7	653	0.28	56.8	106
38	08/21/2017		Level 9	1944	100.4	375	0.08	30.1	108
40	08/25/2017		Level 3B	1045	46.0	517	0.30	39.3	108
41	08/28/2017		Level 3B	2082	77.8	716	0.09	26.9	109
42	09/01/2017		Level 9	2182	112.4	377	0.08	34.1	109
43	09/07/2017	13:03	Level 9	1874	164.4	130	0.04	30.1	101
44	09/11/2017	11:11	Level 10	2140	86.9	607	0.12	26.9	104
45	09/14/2017	10:36	Level 10	1997	82.5	586	0.16	21.3	107
46	09/19/2017	11:22	Level 10	2071	84.8	597	0.14	30.1	105
47	09/25/2017	11:41	. Level 10	2065	89.4	534	0.10	19.6	108
48	09/28/2017	14:01	Level 10	2038	85.2	572	0.09	24.3	104
49	10/06/2017	12:03	Level 10	2014	97.7	425	0.11	17.6	101
50	10/11/2017	10:37	Level 10	1967	78.3	632	0.06	32.0	100
51	10/16/2017	11:48	Level 10	1997	86.1	538	0.07	34.1	105
52	10/19/2017	10:35	Level 10	1908	79.9	571	0.10	26.9	110
53	10/24/2017	12:00	Level 10	2207	92.9	564	0.08	56.8	110
54	10/30/2017	12:26	Level 10	2212	89.9	606	0.07	36.5	111

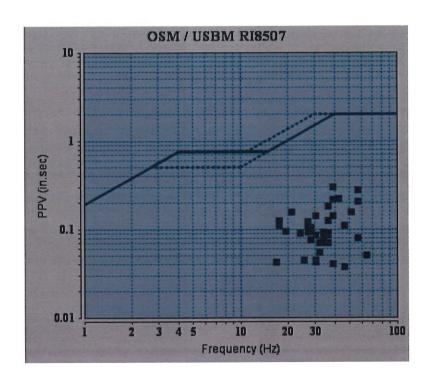
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
55	11/03/2017	12:57	Level 10	2021	84.0	579	0.07	32.0	113
56	11/08/2017	12:37	Level 10	1984	86.4	528	0.08	28.4	104
57	11/13/2017	10:36	Level 10	1886	75.0	633	0.10	28.4	113
58	11/16/2017	11:08	Level 10	1913	77.8	605	0.12	17.6	107
59	11/21/2017	10:42	Level 10	1869	79.3	555	0.10	28.4	107
60	11/28/2017	11:40	Level 10	1837	75.1	599	0.10	28.4	109
			19	•		MAX	0.30 (	in/s)	124 (dBL)

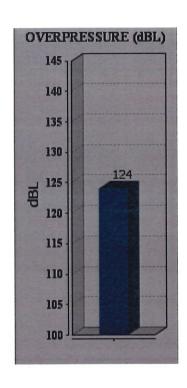
Aggregate Industries Rockville Quarry June, 2016 – May, 2017 PINEY MEETINGHOUSE 39.07572, -77.22272





## Aggregate Industries Rockville Quarry June, 2017 – November, 2017 PINEY MEETINGHOUSE 39.07572, -77.22272





## Aggregate Industries Rockville Quarry WILLIAMS GAS LINE 39.08370, -77.22540

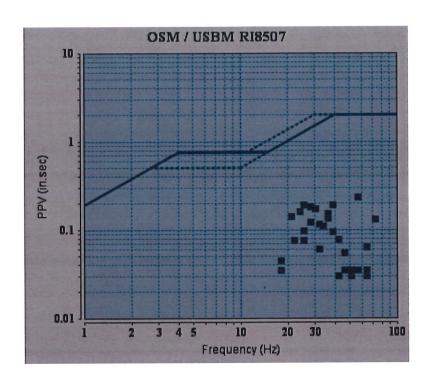
#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV	Person	0
"	Dute	1 11110	Shot Location	Distance	Distance	Max IDS	(in/s)	Freq (Hz)	Overpressure (dBL)
24	06/01/2016	11:52	Level 5	1865	83.1	504	0.08	42.6	108
25	06/06/2016	11:02	Level 5	1791	69.7	660	0.10	25.6	110
26	06/10/2016	13:00	Level 5	1782	54.7	1062	0.06	64.0	110
27	06/16/2016		Level 5	1765	53.6	1086	0.10	39.3	110
28	06/22/2016	13:57	Level 5	1683	44.7	1417	0.15	36.5	114
29	06/27/2016	12:58	Level 4	1637	117.9	193	0.03	64.0	103
30	07/01/2016	10:30	Level 5	1562	62.1	634	0.08	22.2	114
31	07/11/2016	14:03	Level 5	1762	47.8	1361	0.12	28.4	113
32	07/29/2016	11:40	Level 5	1604	53.9	887	0.23	56.8	114
33	08/09/2016	11:06	Level 9	3308	109.3	916	0.04	51.2	106
34	08/12/2016	11:25	level 5	1726	67.4	656	0.12	32.0	114
35	08/18/2016	11:41	Level 5	1834	70.5	677	0.04	18.2	109
36	08/23/2016	13:01	Level 9	3346	95.8	1219	0.04	18.2	108
37	08/26/2016	14:47	Level 5	1560	49.5	995	0.19	25.6	112
38	08/31/2016	11:37	Level 9	3266	93.5	1220	0.04	56.8	107
39	09/06/2016	10:35	Level 5	1583	59.0	720	0.14	21.3	113
40	09/12/2016	12:50	Level 5	1535	45.9	1119	0.14	36.5	116
41	09/16/2016	11:27	Level 5	1593	53.8	878	0.11	34.1	117
42	09/22/2016	13:52	Level 5	1492	49.0	927	0.13	73.1	112
43	09/30/2016	12:38	Level 5	1409	45.4	963	0.19	39.3	115
44	10/05/2016	11:01	Level 9	2870	134.1	458	< 0.02	-	< 115
45	10/10/2016	12:14	Level 5	1364	33.1	1696	0.16	24.3	116
47	10/19/2016	11:46	Level 5	1425	33.9	1764	0.18	28.4	112
48	10/20/2016	10:59	Level 9	3034	144.8	439	< 0.02	-	< 115
49	10/25/2016	12:54	Level 5	1382	33.3	1724	0.17	30.1	116
50	10/31/2016	10:35	Level 5	2197	171.6	164	< 0.02	-	< 115
51	11/10/2016	12:57	Level 9	2942	123.9	564	< 0.02	-	< 115
52	11/21/2016		Level 9	3504	173.7	407	< 0.02		< 115
53	12/05/2016		Level 9	3520	165.4	453	< 0.02	-	< 115
54	12/13/2016		Level 9	3376	151.0	500	< 0.02	-	< 115
1		11:24	Level 9	3425	148.0	536	< 0.02	-	< 115
2		11:26	Level 9	3166	145.7	472	0.03	42.6	101
3	02/16/2017		Level 9	3226	127.8	638	0.06	32.0	107
4	02/27/2017		Level 9	3437	101.8	1141	0.06	46.5	108
	03/07/2017		Level 9	3435	103.9	1094	0.03	51.2	107
	03/13/2017	Part Control of the C	Level 9	3551	141.8	627	< 0.02	-	< 115
	03/20/2017		Level 9	3429	114.4	898	< 0.02	-	< 115
	03/29/2017		Level 9	3518	171.3	422	< 0.02	-	< 115
	04/06/2017		Level 9	3513	110.0	1020	< 0.02	-	< 115
10	04/13/2017	13:34	Level 9	3496	154.7	511	0.04	46.5	108

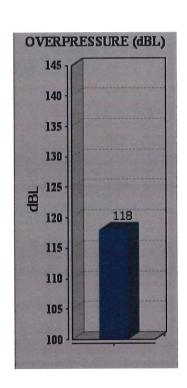
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:59	Level 9	3583	141.8	639	0.04	46.5	100
13	04/27/2017	11:37	Level 9	3575	164.6	472	< 0.02	-	< 115
12	05/02/2017	11:24	Level 9	3540	126.8	780	< 0.02	-	< 115
14	05/05/2017	10:35	Level 9	3574	344.0	108	< 0.02	-	< 115
15	05/11/2017	11:40	Level 9	3587	148.5	584	0.04	64.0	104
16	05/16/2017	11:22	Level 9	3585	129.3	769	< 0.02	-	< 115
17	05/19/2017	11:48	Level 9	3604	135.1	712	< 0.02	-	< 115
18	05/24/2017	12:04	Level 9	3623	146.9	608	< 0.02	5-7-0	< 115
19	05/30/2017	11:45	3B	1862	79.9	543	0.08	25.6	118
				•		MAX	0.23 (	in/s)	118 (dBL)

#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV	Freq	Overpressure
					Distance		(in/s)	(Hz)	(dBL)
20	06/02/2017	11:37	Level 9	3637	151.1	580	< 0.02	-	< 115
21	06/06/2017	13:01	Level 3B	1946	53.4	1327	0.06	23.2	117
23	06/14/2017	09:27	Level 3B	2029	90.8	500	0.03	24.3	113
24	06/21/2017	12:57	Level 3B	2049	64.8	1000	0.04	21.3	118
25	06/22/2017	11:29	Level 9	2871	141.6	411	0.02	26.9	117
26	06/28/2017	09:43	Level 3B	2061	88.7	540	0.05	18.2	114
28	07/05/2017	11:48	3B	2106	95.1	491	0.03	24.3	115
29	07/11/2017	11:46	3B	2128	95.0	502	0.01	0.0	118
30	07/14/2017	14:03	Level 9	3709	142.5	678	0.03	32.0	114
31	07/21/2017	10:36	Level 9	3760	150.0	629	0.02	36.5	110
32	07/28/2017	10:22	Level 9	3648	143.7	645	0.02	28.4	112
34	08/02/2017	11:33	Level 9	3597	157.9	519	0.02	46.5	107
35	08/07/2017	14:27	Level 9	3482	158.3	484	< 0.02	1=	< 115
27	08/09/2017	13:34	Level 9	2990	283.8	111	0.02	73.1	100
33	08/11/2017	13:38	Level 3B	2244	151.0	221	< 0.02		< 115
36	08/15/2017	10:47	Level 9	3473	148.5	547	< 0.02	-	< 115
37	08/17/2017	11:03	Level 3B	2178	85.3	653	0.04	20.4	118
38	08/21/2017	12:53	Level 9	2919	150.8	375	0.03	51.2	105
40	08/25/2017	12:12	Level 3B	2222	97.8	517	0.02	18.9	116
41	08/28/2017	11:40	Level 3B	3210	120.0	716	0.03	34.1	106
42	09/01/2017	11:42	Level 9	3389	174.6	377	0.04	46.5	106
43	09/07/2017	13:03	Level 9	2977	261.2	130	< 0.02	-	< 115
44	09/11/2017	11:10	Level 10	3201	129.9	607	0.04	39.3	103
45	09/14/2017	10:36	Level 10	3240	133.9	586	0.03	36.5	108
46	09/19/2017	11:21	Level 10	3239	132.6	597	0.03	64.0	108
47	09/25/2017	11:40	Level 10	3277	141.8	534	0.03	64.0	108
48	09/28/2017	14:01	Level 10	3299	138.0	572	0.04	30.1	105
49	10/06/2017	12:02	Level 10	3310	160.6	425	0.04	30.1	104
50	10/11/2017	10:36	Level 10	3082	122.6	632	0.03	64.0	104
51	10/16/2017	11:47	Level 10	3401	146.6	538	0.02	56.8	107
52	10/19/2017	10:34	Level 10	3336	139.6	571	0.03	39.3	111
53	10/24/2017	11:59	Level 10	3260	137.3	564	0.04	42.6	109
54	10/30/2017	12:24	Level 10	3391	137.8	606	0.03	56.8	107

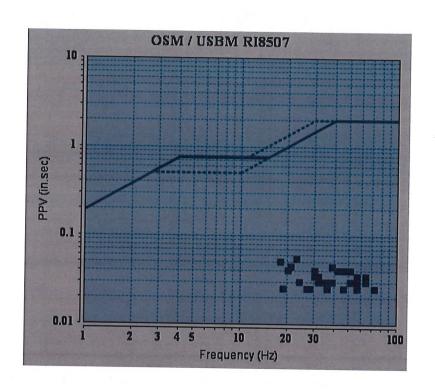
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
55	11/03/2017	12:55	Level 10	3372	140.1	579	0.03	51.2	105
56	11/08/2017	12:36	Level 10	3445	150.0	528	0.04	56.8	106
57	11/13/2017	10:34	Level 10	3363	133.7	633	0.04	64.0	109
58	11/16/2017	11:07	Level 10	3431	139.5	605	0.04	32.0	104
59	11/21/2017	10:40	Level 10	3432	145.7	555	0.04	56.8	108
60	11/28/2017	11:38	Level 10	3429	140.1	599	0.04	51.2	110
	·	)				MAX 0.06 (in/s)		in/s)	118 (dBL)

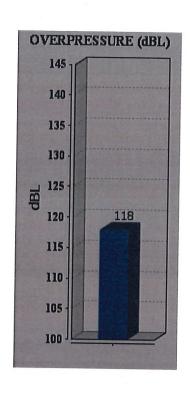
Aggregate Industries Rockville Quarry June, 2016 – May, 2017 WILLIAMS GAS LINE 39.08370, -77.22540





Aggregate Industries Rockville Quarry June, 2017 – November, 2017 WILLIAMS GAS LINE 39.08370, -77.22540





## Dyno-Nobel Rockville Quarry (Dyno) WEST FENCE - VALLEY OAK CIRCLE 39.07933, -77.23064

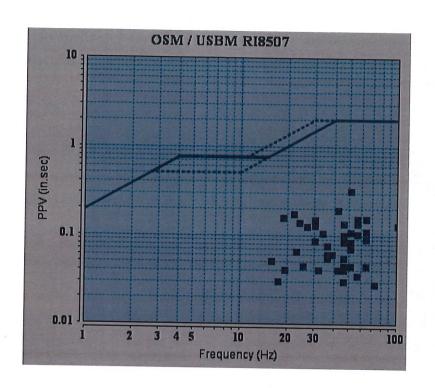
#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV (in /a)	Freq	Overpressure (dBL)
1		10000			Distance	504	(in/s)	(Hz)	118
24	06/01/2016	11:49	Level 5	1091	48.6	504	0.15	30.1	
25	06/06/2016	10:59	Level 5	931	36.3	660	0.14	24.3	123
26	06/10/2016	12:57	Level 5	1084	33.3	1062	0.13	30.1	123
27	06/16/2016	10:29	Level 5	947	29.0	1068	0.10	34.1	127
28	06/22/2016	13:58	Level 5	1066	28.3	1417	0.31	51.2	129
29	06/27/2016	13:00	Level 4	1183	85.2	193	0.03	73.1	113
30	07/01/2016	10:32	Level 5	1067	42.4	634	0.17	22.2	119
31	07/11/2016	14:05	Level 5	1168	31.7	1361	0.15	56.8	127
32	07/29/2016	11:42	Level 5	1232	41.4	887	0.12	26.9	127
35	08/09/2016	11:08	Level 9	1338	44.2	916	0.11	51.2	116
33	08/12/2016	11:27	Level 5	1021	39.8	659	0.15	64.0	120
34	08/18/2016	11:43	Level 5	1348	51.8	677	0.05	16.0	127
36	08/23/2016		Level 9	1377	39.5	1219	0.13	102.4	120
37	08/26/2016		Level 5	1291	41.0	995	0.16	18.9	126
38	08/31/2016		Level 9	1275	36.5	1220	0.14	56.8	118
39	09/06/2016	_	Level 5	1312	48.9	720	0.11	64.0	128
40	09/12/2016		Level 5	1263	37.8	1119	0.13	46.5	128
41	09/16/2016		Level 5	1357	45.8	878	0.08	46.5	131
42	09/22/2016		Level 5	1363	44.8	927	0.10	56.8	127
43	09/30/2016		Level 5	1411	45.5	963	0.09	46.5	130
44	10/05/2016		Level 9	1027	48.0	458	0.08	51.2	111
45	10/10/2016		Level 5	1433	34.8	1696	0.09	64.0	128
47	10/19/2016		Level 5	1537	36.6	1764	0.08	30.1	128
48	10/20/2016		Level 9	1137	54.3	439	0.06	23.2	115
49	10/25/2016		Level 5	1443	34.8	1724	0.08	51.2	124
50	10/31/2016		Level 5	829	64.8	164	< 0.02	-	< 115
51	11/10/2016		Level 9	1048	44.2	564	0.06	36.5	115
52	11/21/2016		Level 9	2131	105.7	407	< 0.02	-	< 115
53	12/05/2016		Level 9	2069	97.2	453	0.04	56.8	107
54	12/13/2016		Level 9	1461	58.1	632	0.04	64.0	118
1	01/05/2017		Level 9	2058	88.9	536	0.04	46.5	113
2	02/08/2017		Level 9	1177	54.2	472	0.08	36.5	113
3	02/06/2017			1213	48.0	638	0.19	42.6	116
	02/10/2017			1393	41.3	1141	0.10	46.5	3000000
4	03/07/2017			1457	44.1	1094	0.07	51.2	
5				2063	82.4	627	0.04	42.6	
6	03/13/2017		Level 9	1675	55.9	898	0.06	39.3	
7	03/20/2017	_	Level 9	2077	101.1	422	0.03	46.5	
8	03/29/201			1632	51.1	1020	0.04	46.5	
10	04/06/201	_	The second secon	1681	74.4	511	0.06	36.5	

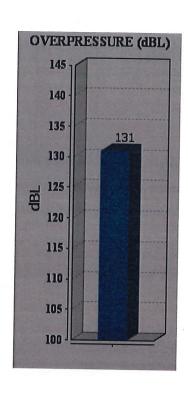
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	13:00	Level 9	1781	70.5	639	0.06	46.5	109
13	04/27/2017	11:38	Level 9	1804	83.1	472	0.03	46.5	102
12	05/02/2017	11:25	Level 9	2051	73.5	780	0.04	51.2	104
14	05/05/2017	10:35	Level 9	2041	196.5	108	< 0.02		< 115
15	05/11/2017	11:41	Level 9	1873	77.5	584	0.04	46.5	113
16	05/16/2017	11:21	Level 9	2030	73.2	769	0.03	17.6	88
17	05/19/2017	11:47	Level 9	2032	76.2	712	0.04	19.6	106
18	05/24/2017	12:03	Level 9	2039	82.7	608	0.04	32.0	103
19	05/30/2017	11:44	3B	1546	66.4	543	0.04	25.6	117
				•		MAX 0.31 (in/s)			131 (dBL)

#	Date	Time	Shot Location	Distance	Scaled	Max lbs	PPV	Freq	Overpressure
20	06/00/0047	44.07			Distance		(in/s)	(Hz)	(dBL)
20	06/02/2017		Level 9	2023	84.0	580	0.04	39.3	92
21	06/06/2017		Level 3B	1565	43.0	1327	0.06	18.9	100
22	06/09/2017		Level 9	1931	79.4	592	0.04	28.4	96
23	06/14/2017		Level 3B	1547	69.2	500	0.03	39.3	99
24	06/21/2017		Level 3B	1615	51.1	1000	0.04	56.8	103
25	06/22/2017		Level 9	1125	55.5	411	0.08	36.5	112
26	06/28/2017		Level 3B	1645	70.8	540	0.04	25.6	110
28	07/05/2017		Level 3B	1489	67.2	491	0.04	17.6	98
29	07/11/2017		3B	1496	66.8	502	0.02	13.1	99
30	07/14/2017		Level 9	2074	79.7	678	0.04	18.9	100
31	07/21/2017	200000000000000000000000000000000000000	Level 9	2058	82.1	629	0.03	56.8	104
32	07/28/2017		Level 9	1917	75.5	645	< 0.02	- 10	< 115
34	08/02/2017		Level 9	1921	84.3	519	0.05	46.5	113
35	08/07/2017		Level 9	1768	80.4	484	0.04	32.0	112
27	08/09/2017		Level 9	1136	107.8	111	0.09	73.1	99
33	08/11/2017		Level 3B	1548	104.1	221	< 0.02	39E 37	< 115
36	08/15/2017		Level 9	1728	73.9	547	0.04	12.8	100
37	08/17/2017		Level 3B	1736	68.0	653	0.05	19.6	113
38	08/21/2017	12:54	Level 9	1080	55.8	375	0.11	20.4	110
40	08/25/2017	THE CONTRACTOR OF THE PARTY OF	Level 3B	1614	71.0	517	0.03	13.8	118
41	08/28/2017	11:41	Level 9	1289	48.2	716	0.11	51.2	112
42	09/01/2017	11:43	Level 9	1433	73.8	377	0.13	73.1	110
43	09/07/2017	13:03	Level 9	1181	103.7	130	0.04	42.6	106
44	09/11/2017	11:10	Level 10	1246	50.6	607	0.22	102.4	110
45	09/14/2017	10:36	Level 10	1370	56.6	586	0.09	14.2	117
46	09/19/2017	11:22	Level 10	1326	54.3	597	0.08	21.3	114
47	09/25/2017	11:41	Level 10	1370	59.3	534	0.06	36.5	117
48	09/28/2017	14:01	Level 10	1410	59.0	572	0.06	34.1	118
49	10/06/2017	12:03	Level 10	1487	72.1	425	0.06	22.2	113
50	10/11/2017	10:36	Level 10	1269	50.5	632	0.06	34.1	112
51	10/16/2017	11:48	Level 10	1599	69.0	538	0.04	22.2	117
52	10/19/2017	10:34	Level 10	1580	66.1	571	0.04	15.5	120
53	10/24/2017	12:00	Level 10	1322	55.7	564	0.12	73.1	116
54	10/30/2017	12:25	Level 10	1468	59.7	606	0.07	64.0	115
55	11/03/2017	12:56	Level 10	1559	64.8	579	0.04	56.8	114

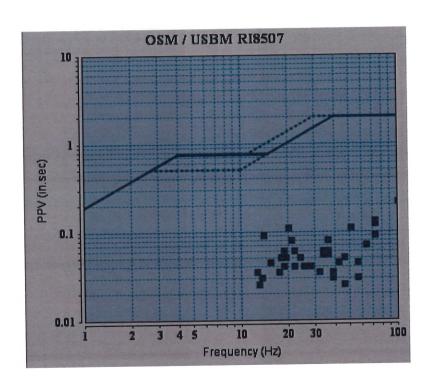
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)		Overpressure (dBL)
56	11/08/2017	12:36	Level 10	1664	72.4	528	0.02	46.5	113
57	11/13/2017	10:35	Level 10	1629	64.8	633	0.05	46.5	117
58	11/16/2017	11:07	Level 10	1689	68.7	605	0.06	36.5	115
59	11/21/2017	10:41	Level 10	1718	72.9	555	0.05	18.2	115
60	11/28/2017	11:39	Level 10	1733	70.8	599	0.05	24.3	117
						MAX	0.22 (	(in/s)	120 (dBL)

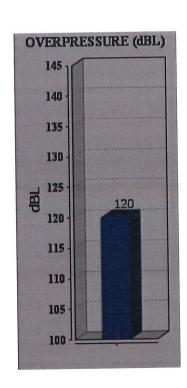
Dyno-Nobel Rockville Quarry (Dyno) June, 2016 – May, 2017 WEST FENCE - VALLEY OAK CIRCLE 39.07933, -77.23064





## Dyno-Nobel Rockville Quarry (Dyno) June, 2017 – November, 2017 WEST FENCE - VALLEY OAK CIRCLE 39.07933, -77.23064







## DEPARTMENT OF PERMITTING SERVICES

Isiah Leggett County Executive

Diane R Schwartz Jones Director

## SEDIMENT CONTROL PERMIT

Issue Date: 08/01/2001

Permit No: 203770

Expires: 08/01/2019

Ref. No:

ID: AC569139

THIS IS TO CERTIFY THAT: BARDON, INC - ATTN: RICHARD FREEDMAN

6401 GOLDEN TRIANGLE DR, SUITE 400

GREENBELT, MD 20770

HAS PERMISSION TO:

DISTURB

0 PREV. AAP'D

PURPOSE:

REVISION

PERMIT CONDITIONS:

PREMISE ADDRESS:

TRAVILAH QUARRY @ PINEY MEETINGHOUSE RD,

**POTOMAC** 

The permittee must contact JONATHAN GRIFFITHS Field Inspector at (240)731-1282 or jonathan.griffiths@montgomerycountymd.gov to obtain an inspection prior to:

1. Commencing land-disturbing activity;

2. Installing sediment-control basins or stormwater-management structures;

3. Removing sediment-control devices; and

LOT - BLOCK: -

ZONE:

**ELECTION DISTRICT:** 

BOND NO .:

BOND TYPE:

PS NUMBER:

PERMIT FEE: \$ 21,091.45

SUBDIVISION: TRAVILAH QUARRY

Director, Department of Permitting Services

Trane R. Achwart

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